PERKHIDMATAN MEMBEKAL ALAT GANTI DAN AKSESORI KOMPUTER UNTUK KEGUNAAN PEJABAT MAJLIS BANDARAYA ISKANDAR PUTERI BAGI TAHUN 2026 / 2027

SPESIFIKASI TEKNIKAL

BIL.	BAHAGIAN	MUKA SURAT
A	**PAPARAN & VISUAL**	2/% P%
B	**AUDIO & KOMUNIKASI**	4/% P%
C	**WIRELESS VIDEO**	7/% P%
D	**KABEL VIDEO & DATA**	8/% P%
E	**PERKAKASAN DALAMAN**	10/% P%
F	**SAMBUNGAN PERANTI**	13/% P%
G	**INPUT DEVICE**	15/% P%
H	**PERALATAN RANGKAIAN**	19/% P%
I	**BEKALAN KUASA**	20/% P%
J	**PERALATAN KESELAMATAN**	22/ 30
K	**AKSESORI PINTAR**	24/ 30
L	**ERGONOMIK & AKSESORI MEJA**	25/ 30
M	**PERALATAN KHAS**	27/ 30
N	**AKSESORI PERANTI**	28/ 30
O	**AKSESORI KAMERA**	29/ 30
P	**PERANTI MUDAH ALIH**	30/ 30

DIJANA OLEH -
11.11.2026

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<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>1. Jenis Monitor</td><td>Field Monitor 7" untuk kamera / video</td></tr>
<tr><td>2. Paparan (Display)</td><td>IPS LCD, 7.0" diagonal</td></tr>
<tr><td>3. Resolusi</td><td>1280 × 800 (HD+ / 16:10)</td></tr>
<tr><td>4. Brightness & Contrast</td><td>Brightness min. 400 cd/m²; Contrast > 800:1</td></tr>
<tr><td rowspan="2">5. Input / Connectivity</td><td>• HDMI input (4K UHD support)</td></tr>
<tr><td>• AV composite input</td></tr>
<tr><td>6. Sokongan Video Format</td><td>480i/p, 576i/p, 720p, 1080i/p, 4K UHD @ up to 30Hz</td></tr>
<tr><td>7. Fungsi Video Assist</td><td>Fokus peaking, safe area marker, image flip, image freeze, check field</td></tr>
<tr><td rowspan="2">8. Audio</td><td>• Stereo speaker</td></tr>
<tr><td>• 3.5mm headphone jack</td></tr>
<tr><td rowspan="2">9. Reka Bentuk & Dimensi</td><td>• Slim & ringan (< 300g)</td></tr>
<tr><td>• Ketebalan sekitar 17 mm</td></tr>
<tr><td>10. Kompatibiliti Power / Battery</td><td>Sony L-Series battery plate (NP-F970 compatible) / DC power input</td></tr>
<tr><td>12. Aksesori Standard</td><td>Mini HDMI cable, sunshade, hot shoe mount, HDMI lock</td></tr>
<tr><td>13. Jaminan</td><td>Minimum 12 bulan dari tarikh penghantaran</td></tr>
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<tr><td>Saiz Skrin</td><td>16.1 inci</td></tr>
<tr><td>Resolusi Paparan</td><td>Minimum 2560 × 1440 (QHD)</td></tr>
<tr><td>Panel</td><td>IPS (178°)</td></tr>
<tr><td>Refresh Rate</td><td>180 Hz</td></tr>
<tr><td>Adaptive Sync</td><td>AMD FreeSync atau setara</td></tr>
<tr><td>Warna & Brightness</td><td>Brightness 350 nits; gamut warna sRGB 95%</td></tr>
<tr><td rowspan="2">Input/Ports</td><td>• USB-C (Full-Function) 2</td></tr>
<tr><td>• Mini HDMI 1</td></tr>
<tr><td>Sokongan HDR</td><td>HDR10</td></tr>
<tr><td>Audio</td><td>Pembesar suara terbina 2 channel</td></tr>
<tr><td>Power Delivery (PD)</td><td>USB-C PD support (minimum 5V/3A)</td></tr>
<tr><td>Aksesori Standard</td><td>Cables: USB-C to USB-C, USB-C to HDMI tangkapan signal, Protective case / stand</td></tr>
<tr><td>Jaminan</td><td>Minimum 12 bulan dari tarikh penghantaran</td></tr>
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<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Display Type</td><td>LED Rotating Holographic Fan Display</td></tr>
<tr><td>Fan Diameter</td><td>~50 cm</td></tr>
<tr><td>Display Resolution</td><td>±1024 × 1024 pixels (typical)</td></tr>
<tr><td>Brightness</td><td>High brightness LED (visible indoor & semi-outdoor)</td></tr>
<tr><td>Viewing Angle</td><td>160° – 176° wide viewing angle</td></tr>
<tr><td>Frame Rate</td><td>Up to 30 FPS</td></tr>
<tr><td>Supported Media</td><td>MP4, AVI, GIF, JPG, PNG</td></tr>
<tr><td>Control Method</td><td>Mobile app / WiFi / SD card</td></tr>
<tr><td>Storage</td><td>MicroSD / TF card support</td></tr>
<tr><td>Connectivity</td><td>WiFi 2.4 GHz</td></tr>
<tr><td>Mounting</td><td>Wall mount / bracket mounting</td></tr>
<tr><td>Power Input</td><td>AC 100–240V adapter</td></tr>
<tr><td>Power Consumption</td><td>±10–20 W</td></tr>
<tr><td>Operating Temperature</td><td>-10 °C ~ 45 °C</td></tr>
<tr><td>Noise Level</td><td>Low noise motor rotation</td></tr>
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<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Product Type</td><td>Portable Laptop Screen Extender / Triple Monitor System</td></tr>
<tr><td>Display Quantity</td><td>Dual external monitor (left & right) for laptop</td></tr>
<tr><td>Screen Size</td><td>Minimum 12" IPS panel (each screen)</td></tr>
<tr><td>Display Technology</td><td>IPS LCD panel with wide viewing angle (178°)</td></tr>
<tr><td>Resolution</td><td>Full HD 1920 × 1080 per screen</td></tr>
<tr><td>Aspect Ratio</td><td>16:9</td></tr>
<tr><td>Brightness</td><td>Minimum 250 cd/m²</td></tr>
<tr><td>Contrast Ratio</td><td>800:1</td></tr>
<tr><td>Refresh Rate</td><td>60 Hz</td></tr>
<tr><td>Colour Support</td><td>16.7 million colours (8-bit colour)</td></tr>
<tr><td>Connectivity</td><td>USB-C (DisplayPort Alt Mode) & HDMI input support</td></tr>
<tr><td>Power Source</td><td>Powered via laptop USB-C or USB-A (no external adapter required)</td></tr>
<tr><td>Compatibility</td><td>Supports Windows 10/11, macOS & selected Android devices</td></tr>
<tr><td>Laptop Size Support</td><td>Compatible with laptop screen size 13" – 17.3"</td></tr>
<tr><td>Mounting Mechanism</td><td>Adjustable clamp mounting frame with rear kickstand support</td></tr>
<tr><td>Screen Adjustment</td><td>Adjustable tilt angle 180° rotation / folding design</td></tr>
<tr><td>Portability</td><td>Foldable portable design with protective carry case</td></tr>
<tr><td>Installation</td><td>Plug & play (no driver installation required)</td></tr>
<tr><td>Audio</td><td>Built-in stereo speaker or audio passthrough via HDMI/USB</td></tr>
<tr><td>Accessories</td><td>USB-C cable, USB-A to USB-C cable, HDMI cable, mounting frame, carry pouch</td></tr>
<tr><td>Application</td><td>Multitasking workstation, monitoring dashboard, remote administration & presentation</td></tr>
<tr><td>Warranty</td><td>Minimum 12 months</td></tr>
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<tr><td>A.5</td><td>Gigabyte M27Q X Monitor atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Product Type</td><td>27" Professional IPS Monitor</td></tr>
<tr><td>Panel Size</td><td>27 inch</td></tr>
<tr><td>Panel Type</td><td>SuperSpeed IPS (SS IPS)</td></tr>
<tr><td>Native Resolution</td><td>2560 × 1440 (QHD)</td></tr>
<tr><td>Aspect Ratio</td><td>16:9</td></tr>
<tr><td>Refresh Rate</td><td>Up to 240 Hz</td></tr>
<tr><td>Response Time</td><td>1 ms (GTG)</td></tr>
<tr><td>Brightness</td><td>Typical 400 cd/m²</td></tr>
<tr><td>Contrast Ratio</td><td>1000:1</td></tr>
<tr><td>Colour Gamut</td><td>100% sRGB / 92% DCI-P3</td></tr>
<tr><td>HDR Support</td><td>VESA DisplayHDR 400</td></tr>
<tr><td>Viewing Angle</td><td>178° (H/V)</td></tr>
<tr><td>Adaptive Sync</td><td>AMD FreeSync Premium & NVIDIA G-Sync Compatible</td></tr>
<tr><td>Video Inputs</td><td>2 × HDMI 2.0, 1 × DisplayPort 1.4</td></tr>
<tr><td>USB-C</td><td>1 × USB-C (Display + Data + Charging)</td></tr>
<tr><td>USB Hub</td><td>2 × USB 3.0 downstream</td></tr>
<tr><td>KVM Feature</td><td>Built-in KVM switch (control 2 devices with 1 keyboard & mouse)</td></tr>
<tr><td>Audio</td><td>3.5 mm headphone out</td></tr>
<tr><td>Stand Adjustment</td><td>Tilt, Height Adjustment, Swivel</td></tr>
<tr><td>Mounting</td><td>VESA 100 × 100 mm</td></tr>
<tr><td>Power</td><td>AC 100–240V, 50/60Hz</td></tr>
<tr><td>Special Features</td><td>OSD Sidekick software, Aim Stabilizer, Low Blue Light, Flicker-Free</td></tr>
<tr><td>Warranty</td><td>Minimum 3 Years</td></tr>
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<tr><td>B.1</td><td>Edifier R1700BTs Bookshelf Speaker atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Jenis Speaker</td><td>2.0 bookshelf speaker aktif (with built-in amplifier)</td></tr>
<tr><td>Amplifier & Power Output</td><td>Total RMS 66 W (15 W × 2 tweeter + 18 W × 2 midbass)</td></tr>
<tr><td>Bluetooth Connectivity</td><td>Bluetooth V5.0 dengan aptX HD</td></tr>
<tr><td rowspan="2">Driver Units</td><td>• 4" midbass driver ×2</td></tr>
<tr><td>• 19 mm silk dome tweeter ×2</td></tr>
<tr><td>Frequency Response</td><td>52 Hz – 20 kHz</td></tr>
<tr><td>Signal-to-Noise Ratio</td><td>85 dB(A)</td></tr>
<tr><td rowspan="2">Audio Inputs</td><td>• Dual RCA line-in</td></tr>
<tr><td>• Bluetooth</td></tr>
<tr><td>Subwoofer Output</td><td>Sub-Out untuk external subwoofer</td></tr>
<tr><td>Controls & Extras</td><td>Side panel knobs + remote control</td></tr>
<tr><td>Enclosure</td><td>MDF wood enclosure (acoustic resonance reduction)</td></tr>
<tr><td>Jaminan</td><td>Minimum 12 bulan</td></tr>
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<tr><td>B.2</td><td>TP-Link Bluetooth 5.3 Nano USB (UB500) atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>1. Jenis Peranti</td><td>Bluetooth USB Nano Adapter</td></tr>
<tr><td>2. Standard Bluetooth</td><td>Bluetooth 5.3 (termasuk BLE support)</td></tr>
<tr><td>3. Backward Compatibility</td><td>Backward compatible dengan BT 5.2/5.0/4.0/3.0/2.1</td></tr>
<tr><td>4. Interface USB</td><td>USB Type-A (USB 2.0)</td></tr>
<tr><td>5. Range & Connectivity</td><td>Sehingga ~10-20 m</td></tr>
<tr><td>6. Operating Systems</td><td>Windows 11/10/8.1/7</td></tr>
<tr><td>7. Multi-Device Support</td><td>Supports connection of 7 Bluetooth devices simultaneously</td></tr>
<tr><td>8. Power & Plug-and-Play</td><td>USB bus-powered; Plug-and-Play</td></tr>
<tr><td>9. Dimensi Fizikal</td><td>Nano form factor</td></tr>
<tr><td>10. Operating Conditions</td><td>Temperature: 0 °C–40 °C</td></tr>
<tr><td>11. Warranty</td><td>Minimum 12 bulan</td></tr>
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<tr><td>B.3</td><td>KEBIDUMEI Bluetooth 6.0 Audio Receiver atau yang setara
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<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>1. Jenis Peranti</td><td>Bluetooth 6.0 USB Audio Receiver & Adapter (Transmitter/Receiver)</td></tr>
<tr><td>2. Bluetooth Standard</td><td>Bluetooth 5.4 / 6.0 backward compatible dengan 5.3/5.2/5.1/5.0/4.0</td></tr>
<tr><td>3. Interface USB</td><td>USB Type-A (USB 2.0)</td></tr>
<tr><td>4. Jarak Operasi</td><td>Minimum 10–20 m</td></tr>
<tr><td>5. Audio Codec</td><td>Support A2DP, SBC, AAC 48 kHz CD-quality</td></tr>
<tr><td>6. Multi-Device Support</td><td>Sokongan sehingga 5 devices serentak</td></tr>
<tr><td>7. Sistem Operasi</td><td>Plug-and-Play</td></tr>
<tr><td>8. Dimensi Fizikal</td><td>Nano USB form factor</td></tr>
<tr><td>9. Operating Conditions</td><td>Operating temp: -20°C - 70°C</td></tr>
<tr><td>10. Warranty</td><td>Minimum 12 bulan</td></tr>
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<tr><td>B.4</td><td>Jabra Speak2 75 MS Speakerphone with Link380A Dongle atau yang setara
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<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Device Type</td><td>Portable USB & Bluetooth Speakerphone (conference speaker)</td></tr>
<tr><td>Certified Platform</td><td>Microsoft Teams Certified (MS version)</td></tr>
<tr><td>Connectivity</td><td>USB-C wired • Bluetooth 5.2 • USB-A dongle (Link380A)</td></tr>
<tr><td>Wireless Range</td><td>Up to ~30 m (open environment)</td></tr>
<tr><td>Microphone System</td><td>4-microphone beamforming array (360° voice pickup)</td></tr>
<tr><td>Speaker Size</td><td>65 mm full-range speaker</td></tr>
<tr><td>Audio Processing</td><td>Full-duplex audio + Echo cancellation + Noise suppression</td></tr>
<tr><td>Voice Pickup Range</td><td>±2.5 m radius (meeting table coverage)</td></tr>
<tr><td>Frequency Response (Speaker)</td><td>~80 Hz – 20 kHz</td></tr>
<tr><td>Frequency Response (Mic)</td><td>~150 Hz – 14 kHz</td></tr>
<tr><td>Supported Modes</td><td>Music mode & Voice conference mode</td></tr>
<tr><td>Bluetooth Pairing</td><td>Up to 8 devices (2 active simultaneously)</td></tr>
<tr><td>USB Dongle</td><td>Jabra Link380A USB-A wireless adapter</td></tr>
<tr><td>Battery Type</td><td>Built-in rechargeable Li-ion</td></tr>
<tr><td>Battery Capacity</td><td>~4700 mAh</td></tr>
<tr><td>Battery Life</td><td>Up to ±32 hours talk time</td></tr>
<tr><td>Charging Time</td><td>±2.5 hours</td></tr>
<tr><td>Charging Port</td><td>USB-C</td></tr>
<tr><td>Water/Dust Protection</td><td>IP64 (dust resistant & splash resistant)</td></tr>
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<tr><td>B.5</td><td>Behringer MPA40BT-Pro Portable Speaker with 2 wireless Mic atau yang setara
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<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Product Type</td><td>Portable Battery Powered Public Address (PA) Speaker System</td></tr>
<tr><td>Speaker Configuration</td><td>Minimum 8" full-range speaker driver</td></tr>
<tr><td>Amplifier Power</td><td>Minimum 40 Watts RMS Class-D amplifier</td></tr>
<tr><td>Frequency Response</td><td>Approx. 50 Hz – 18 kHz</td></tr>
<tr><td>Maximum Sound Pressure Level</td><td>100 dB SPL</td></tr>
<tr><td>Audio Inputs</td><td>Minimum 2 × Microphone input (6.3 mm jack) & 1 × AUX / Line input</td></tr>
<tr><td>Wireless Connectivity</td><td>Bluetooth audio streaming support</td></tr>
<tr><td>Built-in Mixer</td><td>Integrated 2-channel mixer with independent volume control</td></tr>
<tr><td>Tone Control</td><td>Master bass & treble equalizer control</td></tr>
<tr><td>Wireless Microphone</td><td>Complete with 2 × UHF wireless handheld microphone set</td></tr>
<tr><td>Wireless Mic Range</td><td>Minimum 15 – 25 meters operating distance (line-of-sight)</td></tr>
<tr><td>Microphone Receiver</td><td>Built-in or external compatible wireless receiver module</td></tr>
<tr><td>Audio Output</td><td>Line out / link output for additional speaker (if available)</td></tr>
<tr><td>Battery Type</td><td>Built-in rechargeable battery</td></tr>
<tr><td>Battery Operation Time</td><td>Minimum 8 hours continuous operation</td></tr>
<tr><td>Charging</td><td>AC charging 220–240V, 50/60Hz</td></tr>
<tr><td>Portability</td><td>Integrated carry handle & lightweight portable design</td></tr>
<tr><td>Mounting</td><td>Compatible with standard speaker tripod stand (35 mm pole mount)</td></tr>
<tr><td>Enclosure</td><td>Impact-resistant ABS cabinet</td></tr>
<tr><td>Indicators</td><td>Power, charging & signal status indicators</td></tr>
<tr><td>Additional Features</td><td>USB/SD MP3 player support (if available)</td></tr>
<tr><td>Application</td><td>Outdoor event, public announcement, training, briefing & presentation</td></tr>
<tr><td>Accessories</td><td>Power adapter/charging cable, 2 × wireless microphones, user manual</td></tr>
<tr><td>Warranty</td><td>Minimum 12 months</td></tr>
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<tr><td>B.6</td><td>Boya Boyalink 2.4Ghz Wireless Microphone System atau yang setara
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<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Device Type</td><td>Wireless Lavalier Microphone System</td></tr>
<tr><td>Transmission Technology</td><td>2.4 GHz digital wireless transmission</td></tr>
<tr><td>Microphone Type</td><td>Built-in omnidirectional condenser microphone</td></tr>
<tr><td>Channel</td><td>Dual transmitter (2-person recording)</td></tr>
<tr><td>Frequency Response</td><td>20 Hz – 20 kHz</td></tr>
<tr><td>Transmission Range</td><td>Up to approx. 100 m (line-of-sight)</td></tr>
<tr><td>Latency</td><td>Very low latency real-time audio monitoring</td></tr>
<tr><td>Noise Reduction</td><td>Built-in DSP noise reduction</td></tr>
<tr><td>Output Interface</td><td>USB-C, Lightning & 3.5 mm TRS/TRRS (interchangeable adapter)</td></tr>
<tr><td>Compatibility</td><td>Smartphone (Android/iPhone), camera, laptop, tablet</td></tr>
<tr><td>Gain Control</td><td>Adjustable input gain on receiver</td></tr>
<tr><td>Monitoring</td><td>Real-time audio monitoring supported</td></tr>
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<tr><td>B.7</td><td>Logitech Zone Vibe 100 Headphone atau yang setara
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<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Device Type</td><td>Wireless stereo headset with microphone</td></tr>
<tr><td>Wearing Style</td><td>Over-ear (lightweight office design)</td></tr>
<tr><td>Connectivity</td><td>Bluetooth 5.2 wireless</td></tr>
<tr><td>Wireless Range</td><td>Up to approx. 30 m (open space)</td></tr>
<tr><td>Driver Size</td><td>40 mm audio drivers</td></tr>
<tr><td>Frequency Response (Headphone)</td><td>20 Hz – 20 kHz</td></tr>
<tr><td>Impedance</td><td>~45 ohms</td></tr>
<tr><td>Compatibility</td><td>Windows, macOS, Android, iOS, tablets</td></tr>
<tr><td>Multipoint Connection</td><td>Yes (2 devices simultaneously)</td></tr>
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<tr><td>B.8</td><td>Retevis Ailunce HA2 Walkie Talkie atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Radio Type</td><td>Dual-Band Analog Handheld Transceiver</td></tr>
<tr><td>Frequency Range</td><td>VHF: 136-174 MHz • UHF: 400-470 MHz</td></tr>
<tr><td>RF Output Power</td><td>High 8 W • Medium 4 W • Low 1 W selectable</td></tr>
<tr><td>Channel Capacity</td><td>Up to 128 programmable channels</td></tr>
<tr><td>Channel Spacing</td><td>12.5 kHz (Narrowband) / 25 kHz (Wideband)</td></tr>
<tr><td>Modulation</td><td>Analog FM (F3E)</td></tr>
<tr><td>Frequency Stability</td><td>±2.5 ppm</td></tr>
<tr><td>Operating Voltage</td><td>7.4 V DC</td></tr>
<tr><td>Battery Type</td><td>Rechargeable Li-ion battery pack</td></tr>
<tr><td>Battery Capacity</td><td>2800 mAh</td></tr>
<tr><td>Battery Life</td><td>±14–20 hours (5-5-90 duty cycle typical)</td></tr>
<tr><td>Receiver Sensitivity</td><td>0.18 µV (12 dB SINAD)</td></tr>
<tr><td>Audio Output Power</td><td>1 W high-power speaker</td></tr>
<tr><td>Antenna</td><td>Detachable High-Gain Dual-Band Antenna (SMA-Female)</td></tr>
<tr><td>Waterproof Rating</td><td>IP67 (dust-tight & heavy rain resistant)</td></tr>
<tr><td>Weight</td><td>±300 g (battery + antenna)</td></tr>
<tr><td>Accessory Connector</td><td>Kenwood-type 2-Pin (earpiece & shoulder mic compatible)</td></tr>
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<tr><td>C</td><td>WIRELESS VIDEO</td><td></td><td></td><td></td></tr>
<tr><td>C.1</td><td>Hollyland Pyro H Wireless Video Transmission (TX + RX) atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Device Type</td><td>Wireless HDMI Video Transmission System (TX + RX)</td></tr>
<tr><td>Transmission Technology</td><td>5 GHz wireless video (Hollyland Auto Dual-Band Hopping)</td></tr>
<tr><td>Max Transmission Range</td><td>Up to ±400 m (Line-of-Sight)</td></tr>
<tr><td>Latency</td><td>~60 ms (low latency monitoring)</td></tr>
<tr><td>Video Resolution</td><td>Up to 1080p60 Full HD</td></tr>
<tr><td>Frequency Bands</td><td>5.1 – 5.8 GHz ISM band</td></tr>
<tr><td>Channels</td><td>Auto channel scan & interference avoidance</td></tr>
<tr><td>Inputs (TX)</td><td>1× HDMI input</td></tr>
<tr><td>Outputs (RX)</td><td>1× HDMI output</td></tr>
<tr><td>Loop Out (TX)</td><td>HDMI loop-out for on-camera monitor</td></tr>
<tr><td>Audio Support</td><td>Embedded HDMI audio</td></tr>
<tr><td>Antenna</td><td>External detachable dual antennas</td></tr>
<tr><td>Power Input</td><td>USB-C (5–12V)</td></tr>
<tr><td>Battery Support</td><td>Sony NP-F battery compatible (F550/F750/F970)</td></tr>
<tr><td>Power Consumption</td><td>~6 W</td></tr>
</table></td><td></td><td></td><td></td></tr>
<tr><td>C.2</td><td>Hollyland Pyro H Wireless Video Transmission (RX) atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Device Type</td><td>Wireless Video Receiver (RX only)</td></tr>
<tr><td>Compatible System</td><td>Hollyland Pyro H transmitter (TX)</td></tr>
<tr><td>Transmission Band</td><td>5 GHz wireless video</td></tr>
<tr><td>Max Range</td><td>Up to ±400 m line-of-sight (bergantung persekitaran)</td></tr>
<tr><td>Latency</td><td>~60 ms</td></tr>
<tr><td>Video Output</td><td>1× HDMI output</td></tr>
<tr><td>Supported Resolution</td><td>Up to 1080p60 Full HD</td></tr>
<tr><td>Audio</td><td>Embedded HDMI audio pass-through</td></tr>
<tr><td>Channel Selection</td><td>Auto scan & interference avoidance</td></tr>
<tr><td>Monitoring</td><td>Real-time camera monitoring</td></tr>
<tr><td>Antenna</td><td>Dual external antennas (detachable)</td></tr>
<tr><td>Power Input</td><td>USB-C (5–12V DC)</td></tr>
<tr><td>Battery Support</td><td>Sony NP-F battery (F550 / F750 / F970)</td></tr>
<tr><td>Power Consumption</td><td>~6 W</td></tr>
</table></td><td></td><td></td><td></td></tr>
<tr><td>C.3</td><td>Lemorele R15 Wireless Screen Sharing Device atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Device Type</td><td>Wireless HDMI Screen Sharing System (TX + RX)</td></tr>
<tr><td>Transmission Technology</td><td>5 GHz wireless casting (point-to-point)</td></tr>
<tr><td>Max Resolution</td><td>Up to 1080p Full HD</td></tr>
<tr><td>Latency</td><td>~50–80 ms (presentation latency)</td></tr>
<tr><td>Transmission Range</td><td>±30 m line-of-sight (meeting room)</td></tr>
<tr><td>Transmitter (TX)</td><td>USB-C plug-and-play (laptop / tablet / phone)</td></tr>
<tr><td>Receiver (RX)</td><td>HDMI output to TV / projector</td></tr>
<tr><td>Power Input (RX)</td><td>USB-A / USB-C 5V</td></tr>
<tr><td>Operating Mode</td><td>No WiFi network required</td></tr>
<tr><td>Compatibility</td><td>Windows / macOS / Android / iPadOS (USB-C DP Alt Mode)</td></tr>
<tr><td>Audio</td><td>HDMI audio pass-through</td></tr>
<tr><td>Pairing</td><td>Pre-paired factory set</td></tr>
<tr><td>Security</td><td>Private peer-to-peer connection</td></tr>
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<table>
<tr><th>BIL.</th><th>SPESIFIKASI</th><th>YA</th><th>TIDAK</th><th>CATATAN</th></tr>
<tr><td>D</td><td>KABEL VIDEO & DATA</td><td></td><td></td><td></td></tr>
<tr><td>D.1</td><td>KAMEHA KA169R HDMI Cable 50M atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>1. Jenis Kabel</td><td>Active hybrid fiber HDMI cable (outdoor-grade armoured)</td></tr>
<tr><td>2. Model</td><td>KAMEHA KA169R atau setara</td></tr>
<tr><td>3. Standard HDMI</td><td>HDMI 2.0 / 18 Gbps compliant</td></tr>
<tr><td>4. Length</td><td>50 m ± 0.3 m</td></tr>
<tr><td>5. Supported Resolutions</td><td>Up to 4K@60 Hz & 1080p (HDTV/PC)</td></tr>
<tr><td>6. HDCP & EDID</td><td>Support HDCP1.4 / HDCP2.2 & bi-directional EDID</td></tr>
<tr><td>7. Connector</td><td>HDMI Type-A male (standard)</td></tr>
<tr><td>8. Cable Construction</td><td>Armoured hybrid fiber + copper conductors (high crush/ tensile resistance)</td></tr>
<tr><td>9. Power</td><td>No external power required (self-powered through HDMI)</td></tr>
<tr><td>10. Operating / Storage</td><td>-40 °C to 80 °C</td></tr>
<tr><td>11. Physical</td><td>Max outer diameter ~5.8 mm</td></tr>
</table></td><td></td><td></td><td></td></tr>
<tr><td>D.2</td><td>KAMEHA KA211 HDMI Armored Cable 100M atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>1. Jenis Kabel</td><td>Active Armored Fiber HDMI Cable</td></tr>
<tr><td>2. Model</td><td>KAMEHA KA211 atau setara</td></tr>
<tr><td>3. Standard HDMI</td><td>HDMI 2.1 compliant, 48 Gbps</td></tr>
<tr><td>4. Panjang Kabel</td><td>100 m ± toleransi pemasangan</td></tr>
<tr><td rowspan="3">5. Supported Resolutions</td><td>• 8K@60 Hz</td></tr>
<tr><td>• 4K@120 Hz</td></tr>
<tr><td>• 4K@60 Hz & ke bawah</td></tr>
<tr><td>6. Advanced HDMI Features</td><td>eARC, ALLM, VRR, QFT, QMS (variable refresh & fast transport)</td></tr>
<tr><td>7. Audio & Codec Support</td><td>DTS:X, Dolby TrueHD, Dolby Atmos, Dolby Vision, HDR</td></tr>
<tr><td>8. HDCP</td><td>HDCP 1.4, 2.0 & 2.2</td></tr>
<tr><td>9. Connector</td><td>HDMI Type-A Male to Male</td></tr>
<tr><td>10. Construction</td><td>Armored optical fiber + copper hybrid, durable housing</td></tr>
</table></td><td></td><td></td><td></td></tr>
<tr><td>D.3</td><td>UGREEN 240W Thunderbolt 5 cable atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>1. Jenis Kabel</td><td>Thunderbolt 5 certified / USB4 Gen4 Type-C cable</td></tr>
<tr><td>2. Max Power Delivery (PD)</td><td>240W (48V × 5A PD 3.1)</td></tr>
<tr><td>3. Data Transfer Bandwidth</td><td>80 Gbps bidirectional</td></tr>
<tr><td>4. Video Output Support</td><td>• 16K@60 Hz • Dual 8K@60 Hz • Triple 4K@144 Hz</td></tr>
<tr><td>5. Backward Compatibility</td><td>Thunderbolt 4/3, USB4, USB-C Gen 3.2/2.0</td></tr>
<tr><td>6. Connector Type</td><td>USB-C male to USB-C male (24-pin)</td></tr>
<tr><td>7. Cable Construction</td><td>Shielded braided / reinforced material with E-Marker chip</td></tr>
<tr><td>8. E-Marker / Safety</td><td>Built-in E-Marker chip, over-voltage, over-current & over-temp protection</td></tr>
<tr><td>9. Length</td><td>Typically 1 m ± tolerance</td></tr>
<tr><td>10. Operating / Storage Conditions</td><td>Operating: 0–45 °C Storage: -15–70 °C</td></tr>
<tr><td>11. Compliance / Certs</td><td>Intel Thunderbolt certification (as applicable)</td></tr>
</table></td><td></td><td></td><td></td></tr>
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<tr><th>BIL.</th><th>SPESIFIKASI</th><th>YA</th><th>TIDAK</th><th>CATATAN</th></tr>
<tr><td>D.4</td><td>UGREEN DP 1.4 8K60Hz Cable 3M atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>1. Jenis Kabel</td><td>DisplayPort 1.4 male-to-male cable</td></tr>
<tr><td>2. Model / Series</td><td>DP 1.4 8K60Hz – 3 m</td></tr>
<tr><td>3. Supported Resolution</td><td>• 8K @ 60 Hz • 4K @ 144 Hz • 2K @ 165 Hz</td></tr>
<tr><td>4. Bandwidth</td><td>32.4 Gbps (VESA DP1.4)</td></tr>
<tr><td>5. Audio Support</td><td>Digital audio (7.1, 5.1 LPCM)</td></tr>
<tr><td>6. Connector Material</td><td>Gold-plated DisplayPort male connectors</td></tr>
<tr><td>7. Cable Construction</td><td>Nylon braided jacket + triple-shielding</td></tr>
<tr><td>8. Cable Length</td><td>3 m</td></tr>
<tr><td>9. Backward Compatibility</td><td>Compatible DP1.3 / DP1.2 / DP1.1</td></tr>
<tr><td>10. Mode Support</td><td>Mirror & Extend display modes</td></tr>
<tr><td>11. Compliance</td><td>VESA DisplayPort 1.4 / HDCP</td></tr>
<tr><td>12. Operating Conditions</td><td>Standard ambient use</td></tr>
</table></td><td></td><td></td><td></td></tr>
<tr><td>D.5</td><td>Vention Mini HDMI to HDMI Cable atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Cable Type</td><td>Mini HDMI to Standard HDMI Cable</td></tr>
<tr><td>HDMI Version</td><td>HDMI 2.0 compliant</td></tr>
<tr><td>Resolution Support</td><td>Up to 4K @ 60Hz (3840 × 2160)</td></tr>
<tr><td>Bandwidth</td><td>Up to 18 Gbps high-speed transmission</td></tr>
<tr><td>Video Features</td><td>HDR video, 3D video, Deep Color support</td></tr>
<tr><td>Audio Support</td><td>Multi-channel digital audio (Dolby / DTS pass-through)</td></tr>
<tr><td>Connector Material</td><td>Gold-plated corrosion-resistant connectors</td></tr>
<tr><td>Conductor Material</td><td>Oxygen-Free Copper (OFC) core</td></tr>
<tr><td>Shielding</td><td>Multi-layer shielding (foil + braided shielding)</td></tr>
<tr><td>Jacket Type</td><td>PVC or nylon braided outer jacket (model dependent)</td></tr>
<tr><td>Plug Type</td><td>Mini HDMI Type-C (male) to HDMI Type-A (male)</td></tr>
<tr><td>Plug & Play</td><td>Yes (no driver required)</td></tr>
<tr><td>Compatibility</td><td>DSLR camera, mirrorless camera, field monitor, projector, TV, capture card</td></tr>
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<tr><th>BIL.</th><th>SPESIFIKASI</th><th>YA</th><th>TIDAK</th><th>CATATAN</th></tr>
<tr><td>E</td><td>PERKAKASAN DALAMAN</td><td></td><td></td><td></td></tr>
<tr><td>E.1</td><td>Kingston NV3 NVMe SSD 1TB atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>1. Form Factor</td><td>NVMe PCIe 4.0 x4 SSD, M.2 2280</td></tr>
<tr><td>2. Kapasiti</td><td>1 TB usable storage (minimum 1 TB)</td></tr>
<tr><td>3. Interface</td><td>PCIe Gen4 x4 (NVMe 1.4)</td></tr>
<tr><td rowspan="2">4. Sequential Performance</td><td>Read 6000 MB/s</td></tr>
<tr><td>Write 4000 MB/s</td></tr>
<tr><td rowspan="2">5. NAND & Endurance</td><td>3D NAND</td></tr>
<tr><td>Endurance TBW 320 TB</td></tr>
<tr><td>6. Reliability</td><td>MTBF 2,000,000 jam</td></tr>
<tr><td rowspan="2">7. Operating Conditions</td><td>Operating Temp: 0 °C–70 °C</td></tr>
<tr><td>Storage Temp: -40 °C–85 °C</td></tr>
<tr><td>8. Physical</td><td>Dimension: 22 mm × 80 mm</td></tr>
<tr><td>9. Warranty</td><td>Minimum 5 tahun limited warranty atau setara</td></tr>
</table></td><td></td><td></td><td></td></tr>
<tr><td>E.2</td><td>GIGABYTE GeForce RTX 5060 WINDFORCE MAX OC 8G GDDR7 atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>GPU Architecture</td><td>NVIDIA Ada-Next Architecture</td></tr>
<tr><td>Graphics Processor</td><td>GeForce RTX 5060</td></tr>
<tr><td>CUDA Cores</td><td>~3840 cores</td></tr>
<tr><td>Boost Clock</td><td>±2.5 GHz (factory overclock – WINDFORCE OC)</td></tr>
<tr><td>Memory Type</td><td>GDDR7</td></tr>
<tr><td>Memory Size</td><td>8 GB</td></tr>
<tr><td>Memory Interface</td><td>128-bit</td></tr>
<tr><td>Memory Speed</td><td>±28 Gbps effective</td></tr>
<tr><td>Memory Bandwidth</td><td>~448 GB/s</td></tr>
<tr><td>Ray Tracing Cores</td><td>3rd/4th Gen RT Cores (hardware ray tracing)</td></tr>
<tr><td>Tensor Cores</td><td>AI Tensor Cores (DLSS / AI acceleration)</td></tr>
<tr><td>PCI Express</td><td>PCIe 4.0 x8 interface</td></tr>
<tr><td>Max Resolution</td><td>Up to 7680 × 4320 (8K)</td></tr>
<tr><td>Multi-Display Support</td><td>Up to 4 displays</td></tr>
</table></td><td></td><td></td><td></td></tr>
<tr><td>E.3</td><td>Micron 16GB DDR4 ECC UDIMM CL22 atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Memory Type</td><td>DDR4 ECC UDIMM (Error-Correcting Code Unbuffered DIMM)</td></tr>
<tr><td>Capacity</td><td>16 GB</td></tr>
<tr><td>Speed</td><td>3200 MT/s (PC4-25600)</td></tr>
<tr><td>CAS Latency</td><td>CL22</td></tr>
<tr><td>Module Form Factor</td><td>288-pin DIMM</td></tr>
<tr><td>Voltage</td><td>1.2 V</td></tr>
<tr><td>Data Width</td><td>72-bit (64-bit data + 8-bit ECC parity)</td></tr>
<tr><td>Buffered Type</td><td>Unbuffered (UDIMM)</td></tr>
<tr><td>ECC Support</td><td>Yes – single-bit error correction</td></tr>
<tr><td>Operating Temperature</td><td>0 °C – 85 °C</td></tr>
<tr><td>Compatibility</td><td>Server & workstation</td></tr>
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<tr><th>BIL.</th><th>SPESIFIKASI</th><th>YA</th><th>TIDAK</th><th>CATATAN</th></tr>
<tr><td>E.4</td><td>COOLER MASTER MWE Gold 750 - Full Modular atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Product Type</td><td>ATX Fully Modular Power Supply Unit</td></tr>
<tr><td>Rated Power Output</td><td>750 Watts</td></tr>
<tr><td>Efficiency Certification</td><td>80 PLUS Gold</td></tr>
<tr><td>Typical Efficiency</td><td>Up to ~90% efficiency at typical load</td></tr>
<tr><td>Input Voltage</td><td>100 – 240V AC</td></tr>
<tr><td>Input Frequency</td><td>50 – 60 Hz</td></tr>
<tr><td>Power Factor Correction</td><td>Active PFC</td></tr>
<tr><td>Protection Features</td><td>OVP, UVP, OPP, OTP, SCP, OCP protection</td></tr>
<tr><td>+12V Rail</td><td>Single rail design</td></tr>
<tr><td>+12V Maximum Output</td><td>Up to 744 W</td></tr>
<tr><td>+5V Rail</td><td>20 A</td></tr>
<tr><td>+3.3V Rail</td><td>20 A</td></tr>
<tr><td>Standby Power</td><td>+5VSB 3 A</td></tr>
<tr><td>Modularity</td><td>Fully Modular cable management</td></tr>
<tr><td>Cooling Fan</td><td>120 mm HDB (Hydro Dynamic Bearing) fan</td></tr>
<tr><td>Fan Control</td><td>Temperature controlled smart fan</td></tr>
<tr><td>MTBF</td><td>>100,000 hours</td></tr>
<tr><td>Operating Temperature</td><td>0°C – 50°C ambient</td></tr>
<tr><td>Form Factor</td><td>ATX</td></tr>
<tr><td>Dimensions</td><td>Approx. 160 × 150 × 86 mm</td></tr>
<tr><td>Main Connector</td><td>1 × 24-pin ATX</td></tr>
<tr><td>CPU Connector</td><td>2 × 8-pin (4+4) EPS</td></tr>
<tr><td>PCIe Connector</td><td>4 × 6+2 pin PCIe</td></tr>
<tr><td>SATA Connector</td><td>8</td></tr>
<tr><td>Peripheral Connector</td><td>4 × Molex</td></tr>
<tr><td>Cable Type</td><td>Flat black modular cables</td></tr>
<tr><td>Design Topology</td><td>DC-to-DC voltage regulation</td></tr>
</table></td><td></td><td></td><td></td></tr>
<tr><td>E.5</td><td>ADATA DDR5 RAM 16GB (Desktop) atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Product Type</td><td>Desktop Memory Module (RAM)</td></tr>
<tr><td>Memory Type</td><td>DDR5 SDRAM</td></tr>
<tr><td>Capacity</td><td>16GB (1 × 16GB module)</td></tr>
<tr><td>Form Factor</td><td>288-pin U-DIMM (Desktop)</td></tr>
<tr><td>Memory Speed</td><td>Up to 5600 MHz</td></tr>
<tr><td>JEDEC Base Speed</td><td>4800 MHz</td></tr>
<tr><td>CAS Latency</td><td>Approx. CL46</td></tr>
<tr><td>Voltage</td><td>1.1V operating voltage</td></tr>
<tr><td>Error Correction</td><td>On-die ECC (internal error correction)</td></tr>
<tr><td>Power Management</td><td>Built-in PMIC (Power Management IC)</td></tr>
<tr><td>Bandwidth</td><td>Up to ~38.4 GB/s data bandwidth</td></tr>
<tr><td>Compatibility</td><td>Latest Intel & AMD desktop platforms</td></tr>
<tr><td>Performance Feature</td><td>Higher frequency vs DDR4-3200</td></tr>
<tr><td>Upgrade Support</td><td>Single-module upgrade compatible</td></tr>
<tr><td>Warranty</td><td>Limited lifetime warranty</td></tr>
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<tr><th>BIL.</th><th>SPESIFIKASI</th><th>YA</th><th>TIDAK</th><th>CATATAN</th></tr>
<tr><td>E.6</td><td>Aigo GP650 Power Supply atau yang setara
<table>
<tr><th>ITEM</th><th>MINIMUM SPECIFICATION</th></tr>
<tr><td>Product Type</td><td>ATX Desktop Computer Power Supply Unit (PSU)</td></tr>
<tr><td>Rated Power</td><td>650W</td></tr>
<tr><td>Peak Power</td><td>Up to 750W – 850W</td></tr>
<tr><td>Efficiency Certification</td><td>80 PLUS Bronze</td></tr>
<tr><td>Efficiency</td><td>Approximately up to 80–85% efficiency</td></tr>
<tr><td>Form Factor</td><td>Intel ATX 12V standard</td></tr>
<tr><td>PFC Type</td><td>Active PFC</td></tr>
<tr><td>Cooling System</td><td>120mm Hydraulic Bearing Cooling Fan</td></tr>
<tr><td>Input Voltage</td><td>160V – 264V AC</td></tr>
<tr><td>Input Frequency</td><td>50–60 Hz</td></tr>
<tr><td>Protection Features</td><td>OCP, OVP, UVP, SCP, OPP, OTP protection</td></tr>
<tr><td rowspan="5">Connector</td><td>1 × 20+4 Pin ATX</td></tr>
<tr><td>2 × 4+4 Pin CPU</td></tr>
<tr><td>4 × 6+2 Pin PCIe</td></tr>
<tr><td>4 × SATA power connectors</td></tr>
<tr><td>2 × Molex connectors</td></tr>
<tr><td>Cooling Control</td><td>PWM temperature control fan</td></tr>
<tr><td>Compatibility</td><td>Supports Intel and AMD platform</td></tr>
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<tr><th>BIL.</th><th>SPESIFIKASI</th><th>YA</th><th>TIDAK</th><th>CATATAN</th></tr>
<tr><td>F</td><td>SAMBUNGAN PERANTI</td><td></td><td></td><td></td></tr>
<tr><td>F.1</td><td>UGREEN 10Gbps 9-in-1 USB-c Hub atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Device Type</td><td>USB-C Multiport Docking Hub</td></tr>
<tr><td>Host Interface</td><td>USB-C male connector</td></tr>
<tr><td>USB Standard</td><td>USB 3.2 Gen 2</td></tr>
<tr><td>Maximum Data Speed</td><td>Up to 10 Gbps</td></tr>
<tr><td>Plug & Play</td><td>Yes (no driver installation required)</td></tr>
<tr><td>Housing Material</td><td>Aluminium alloy (passive heat dissipation)</td></tr>
<tr><td>Cable Length</td><td>Built-in cable ±15–20 cm</td></tr>
<tr><td>HDMI Output</td><td>4K @ 60Hz (3840 × 2160)</td></tr>
<tr><td>USB-C Power Delivery</td><td>Up to 100W passthrough charging (85–95W to laptop)</td></tr>
<tr><td>USB-C Data Port</td><td>10 Gbps high-speed data</td></tr>
<tr><td>USB-A 3.2 Gen2</td><td>10 Gbps (external SSD / storage)</td></tr>
<tr><td>USB-A 3.0 ×2</td><td>5 Gbps (keyboard, mouse, printer)</td></tr>
<tr><td>RJ45 LAN</td><td>Gigabit Ethernet 10/100/1000 Mbps</td></tr>
<tr><td>SD Card Slot</td><td>SD / SDHC / SDXC (UHS-I)</td></tr>
<tr><td>MicroSD Slot</td><td>microSD / microSDHC / microSDXC</td></tr>
<tr><td>Maximum Display Resolution</td><td>3840 × 2160 @ 60Hz</td></tr>
<tr><td>Display Mode</td><td>Mirror & Extended display</td></tr>
<tr><td>Video Standard</td><td>DisplayPort Alt Mode via USB-C</td></tr>
<tr><td>HDR</td><td>Supported (depending on laptop & monitor)</td></tr>
<tr><td>Charging Protocol</td><td>USB-C Power Delivery (PD 3.0)</td></tr>
<tr><td>Power Input</td><td>Up to 100W</td></tr>
<tr><td>Laptop Charging</td><td>Charging supported while all ports are in use</td></tr>
<tr><td>Network Controller</td><td>Gigabit Ethernet controller</td></tr>
<tr><td>LAN Speed</td><td>10 / 100 / 1000 Mbps auto-negotiation</td></tr>
<tr><td>LAN Driver</td><td>Auto-detect Windows / macOS / Linux</td></tr>
<tr><td>Memory Card Standard</td><td>UHS-I</td></tr>
<tr><td>Card Reader Speed</td><td>±104 MB/s (theoretical)</td></tr>
<tr><td>Simultaneous Reading</td><td>SD & MicroSD simultaneously</td></tr>
<tr><td>System Compatibility</td><td>Windows 10/11, macOS, Linux (basic), iPadOS USB-C, Android USB-C DP Alt Mode</td></tr>
<tr><td>Cooling System</td><td>Passive cooling via aluminium housing</td></tr>
</table></td><td></td><td></td><td></td></tr>
<tr><td>F.2</td><td>UGREEN 6-in-1 USB Hub atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>HDMI Output</td><td>1 × HDMI sehingga 4K @ 60Hz</td></tr>
<tr><td>USB-A</td><td>2 × USB-A 3.2 Gen2 (10Gbps data transfer)</td></tr>
<tr><td>USB-C Data</td><td>1 × USB-C 3.2 Gen2 (10Gbps data transfer)</td></tr>
<tr><td>USB-C PD</td><td>1 × USB-C Power Delivery sehingga 100W passthrough charging</td></tr>
<tr><td>LAN Port</td><td>1 × RJ45 Gigabit Ethernet (10/100/1000 Mbps)</td></tr>
</table></td><td></td><td></td><td></td></tr>
<tr><td>F.3</td><td>Vention 15-in-1 USB-C MST Docking Station atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Expansion Ports</td><td>15-in-1 ports: HDMI, DisplayPort (MST), USB-A, USB-C, RJ45 Ethernet, SD/TF card reader, 3.5mm audio jack</td></tr>
<tr><td>Multi-Display Support</td><td>Supports MST (Multi-Stream Transport) for multiple external displays</td></tr>
<tr><td>Data Transfer</td><td>USB 3.2 high-speed data transmission</td></tr>
<tr><td>Power Delivery</td><td>USB-C Power Delivery pass-through charging supported</td></tr>
<tr><td>Network Interface</td><td>Gigabit Ethernet via RJ45 port</td></tr>
<tr><td>Card Reader</td><td>SD and MicroSD (TF) memory card support</td></tr>
<tr><td>Audio</td><td>3.5 mm headphone / microphone combo port</td></tr>
<tr><td>Housing Material</td><td>Aluminium body with TPU protective finishing</td></tr>
<tr><td>Compatibility</td><td>USB-C laptops supporting DisplayPort Alt Mode</td></tr>
<tr><td>Installation</td><td>Plug-and-Play (no additional driver required)</td></tr>
</table></td><td></td><td></td><td></td></tr>
</table>

BIL.	SPESIFIKASI	YA	TIDAK	CATATAN
F.4	**UGREEN USB 3.0 Extension cable 3M**			

ITEM	SPESIFIKASI MINIMUM
Product Type	USB 3.0 Extension Cable (Male to Female)
Cable Length	3 Meter (±10%)
USB Standard	USB 3.0 SuperSpeed
Data Transfer Rate	Up to 5 Gbps
Connector Type	USB Type-A Male to USB Type-A Female
Backward Compatibility	Compatible with USB 2.0 & USB 1.1 devices
Conductor Material	Tinned copper / high-conductivity copper core
Shielding	Multi-layer shielding (aluminium foil + braided shielding)
Connector Plating	Gold-plated connectors for corrosion resistance
Cable Gauge	Approx. 24/28 AWG (data & power lines)
Power Support	Supports USB bus-powered devices (keyboard, mouse, flash drive, webcam, dongle)
Insulation	PVC or equivalent durable outer jacket
Plug & Play	No driver required
Operating System Support	Windows, macOS, Linux compatible
Application	Extension for USB peripherals such as keyboard, mouse, printer, webcam, WiFi/Bluetooth adapter & storage devices
Safety	Over-signal loss protection with stable data transmission
Warranty	Minimum 12 months

<table>
<tr><th>BIL.</th><th>SPESIFIKASI</th><th>YA</th><th>TIDAK</th><th>CATATAN</th></tr>
<tr><td>G</td><td>INPUT DEVICE</td><td></td><td></td><td></td></tr>
<tr><td>G.1</td><td>Apple Magic Keyboard for ipad pro 11 inch M4/M5 atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>1. Jenis Peranti</td><td>Aksesori Keyboard & Trackpad untuk iPad</td></tr>
<tr><td>2. Model & Compatibility</td><td>iPad Pro 11-inch (M5) & backward compatible M4</td></tr>
<tr><td>3. Keyboard Type</td><td>Full-size backlit keyboard dengan scissor mechanism</td></tr>
<tr><td>4. Trackpad</td><td>Large glass trackpad with haptic feedback</td></tr>
<tr><td>5. Function Row</td><td>14-key function row (brightness, volume, media, etc.)</td></tr>
<tr><td>6. Connectivity / Interface</td><td>Magnetic attach + USB-C pass-through charging</td></tr>
<tr><td>7. Viewing Adjustability</td><td>Floating cantilever design untuk multiple angles</td></tr>
<tr><td>8. Protection / Form Factor</td><td>Front & back protection case for iPad</td></tr>
<tr><td>9. Material & Build</td><td>Aluminium palm rest & premium build quality</td></tr>
</table></td><td></td><td></td><td></td></tr>
<tr><td>G.2</td><td>Keychron Black Myth Wukong Wireless Mechanical (Deluxe Edition) atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Product Type</td><td>Wireless Mechanical Keyboard – Deluxe Edition Themed Bundle</td></tr>
<tr><td>Layout</td><td>75% ANSI compact layout (with function row, without numeric keypad)</td></tr>
<tr><td>Mounting Structure</td><td>Gasket Mount design</td></tr>
<tr><td>Body Material</td><td>Aluminium top frame with reinforced base construction</td></tr>
<tr><td>Plate Material</td><td>Steel / Aluminium switch plate</td></tr>
<tr><td>Switch Type</td><td>Mechanical tactile switch – Bluish White (non-clicky, low noise)</td></tr>
<tr><td>Switch Feedback</td><td>Tactile feedback suitable for long typing sessions</td></tr>
<tr><td>Hot-Swap Support</td><td>Yes (compatible with 3-pin & 5-pin MX switches)</td></tr>
<tr><td>Connectivity</td><td>USB-C wired, 2.4 GHz wireless receiver, Bluetooth 5.1</td></tr>
<tr><td>Multi-Device Pairing</td><td>Minimum 3 Bluetooth devices</td></tr>
<tr><td>Polling Rate</td><td>Up to 1000 Hz (wired & 2.4 GHz)</td></tr>
<tr><td>Key Rollover</td><td>Full N-Key Rollover (NKRO)</td></tr>
<tr><td>Backlight</td><td>Per-key RGB backlight (south-facing LED)</td></tr>
<tr><td>Programmability</td><td>QMK / VIA programmable firmware with macro support</td></tr>
<tr><td>Onboard Memory</td><td>Profile & macro storage supported</td></tr>
<tr><td>Keycaps</td><td>Premium themed PBT keycaps (special edition dye-sublimation / double-shot)</td></tr>
<tr><td>Stem Compatibility</td><td>MX-style cross stem compatible</td></tr>
<tr><td>Rotary Encoder</td><td>Programmable control knob included</td></tr>
<tr><td>Battery</td><td>Built-in rechargeable battery 4000 mAh</td></tr>
<tr><td>Charging Interface</td><td>Detachable USB-C cable</td></tr>
<tr><td>Compatibility</td><td>Windows, macOS & Linux compatible</td></tr>
<tr><td>Typing Angle</td><td>Adjustable multi-angle feet</td></tr>
<tr><td>Deluxe Accessories</td><td>Themed desk mat, artisan / extra themed keycaps, collectible packaging, USB cable & wireless receiver</td></tr>
<tr><td>Application</td><td>Programming, system administration, office productivity & general computing</td></tr>
<tr><td>Warranty</td><td>Minimum 12 months</td></tr>
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<table>
<tr><th>BIL.</th><th>SPESIFIKASI</th><th>YA</th><th>TIDAK</th><th>CATATAN</th></tr>
<tr><td>G.3</td><td>Lenovo Preferred Pro II USB Keyboard atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Keyboard Type</td><td>Full-size Wired Membrane Keyboard</td></tr>
<tr><td>Layout</td><td>Standard 104-key (Full size with numpad)</td></tr>
<tr><td>Interface</td><td>USB Type-A</td></tr>
<tr><td>Key Technology</td><td>Quiet membrane switch (low-force actuation)</td></tr>
<tr><td>Key Profile</td><td>Low-profile ergonomic keys</td></tr>
<tr><td>Key Life Cycle</td><td>±10 million keystrokes (typical membrane rating)</td></tr>
<tr><td>Multimedia Keys</td><td>Dedicated hotkeys (volume, mute, media control)</td></tr>
<tr><td>Shortcut Keys</td><td>Windows function shortcuts (Fn key support)</td></tr>
<tr><td>Spill Resistance</td><td>Basic spill-resistant design</td></tr>
<tr><td>LED Indicators</td><td>Num Lock • Caps Lock • Scroll Lock indicators</td></tr>
<tr><td>Cable Length</td><td>±1.8 meter</td></tr>
<tr><td>Plug & Play</td><td>Yes</td></tr>
<tr><td>Compatibility</td><td>Windows 7 / 8 / 10 / 11 • Linux basic support</td></tr>
<tr><td>Power Source</td><td>USB powered</td></tr>
</table></td><td></td><td></td><td></td></tr>
<tr><td>G.4</td><td>Logitech Signature M650 Mouse atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Connection Type</td><td>• Logi BOLT USB Receiver (2.4 GHz) • Bluetooth Low Energy (BLE)</td></tr>
<tr><td>Wireless Range</td><td>Up to 10 m (depending on environment)</td></tr>
<tr><td>Sensor Technology</td><td>Logitech Advanced Optical Tracking</td></tr>
<tr><td>DPI (Min–Max)</td><td>400 - 4,000 DPI</td></tr>
<tr><td>Buttons</td><td>5 total: Left/Right click, Back/Forward, Scroll wheel (middle click)</td></tr>
<tr><td>SmartWheel Scrolling</td><td>Precision line-by-line or fast scroll (auto switch)</td></tr>
<tr><td>Silent Touch Technology</td><td>Click noise reduced 90 % vs standard mouse</td></tr>
<tr><td>Battery</td><td>1× AA battery (included)</td></tr>
<tr><td>Battery Life</td><td>• Logi BOLT: ~24 months • Bluetooth: ~20 months</td></tr>
<tr><td>Indicator Lights</td><td>LED battery & connectivity indicators</td></tr>
<tr><td>Dimensions</td><td></td></tr>
<tr><td>Weight</td><td>~101.4 g (with battery)</td></tr>
<tr><td>Compatibility OS</td><td>Windows, macOS, Linux, ChromeOS, iPadOS, Android</td></tr>
<tr><td>Customization App</td><td>Supported via Logi Options+ (Windows/macOS)</td></tr>
<tr><td>Sustainability Material</td><td>Post-consumer recycled plastic (Graphite 64 %)</td></tr>
</table></td><td></td><td></td><td></td></tr>
<tr><td>G.5</td><td>Acer Ergonomic Vertical Computer Mouse atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Device Type</td><td>Ergonomic Vertical Computer Mouse</td></tr>
<tr><td>Connection Type</td><td>2.4 GHz Wireless USB receiver</td></tr>
<tr><td>Sensor Type</td><td>Optical sensor</td></tr>
<tr><td>DPI Resolution</td><td>Adjustable DPI (typically 800 / 1200 / 1600 DPI)</td></tr>
<tr><td>Buttons</td><td>6 buttons (Left, Right, Scroll, DPI switch, Forward, Back)</td></tr>
<tr><td>Ergonomic Design</td><td>Vertical hand-shake grip position</td></tr>
<tr><td>Scroll Wheel</td><td>Anti-slip rubberized wheel</td></tr>
<tr><td>Compatibility</td><td>Windows / macOS / Linux basic support</td></tr>
<tr><td>Plug & Play</td><td>Yes (no driver required)</td></tr>
<tr><td>Wireless Range</td><td>±8–10 meters</td></tr>
<tr><td>Receiver Type</td><td>Nano USB receiver (2.4GHz RF)</td></tr>
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<tr><th>BIL.</th><th>SPESIFIKASI</th><th>YA</th><th>TIDAK</th><th>CATATAN</th></tr>
<tr><td>G.6</td><td>Zebra DS2278 (SR7U2100PRW) cordless 2D Barcode Scanner atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Jenis Peranti</td><td>Cordless 2D Imager Barcode Scanner</td></tr>
<tr><td>Scanning Technology</td><td>Area Imaging (digital imager sensor)</td></tr>
<tr><td>Supported Codes</td><td>1D & 2D barcode (QR Code, DataMatrix, PDF417, Code128, EAN, dll)</td></tr>
<tr><td>Connectivity</td><td>Bluetooth wireless</td></tr>
<tr><td>Wireless Range</td><td>±10 m (typical indoor)</td></tr>
<tr><td>Interface Support</td><td>USB HID, USB COM, RS232 (via cradle)</td></tr>
<tr><td>Aiming Pattern</td><td>LED aimer</td></tr>
<tr><td>Trigger Mode</td><td>Manual trigger & presentation mode</td></tr>
<tr><td>Motion Tolerance</td><td>±13 cm/sec</td></tr>
<tr><td>Drop Resistance</td><td>Drop resistance up to approximately 1.5 m onto a concrete surface</td></tr>
<tr><td>Sealing Rating</td><td>IP42</td></tr>
<tr><td>Battery Type</td><td>Rechargeable Li-ion</td></tr>
<tr><td>Battery Capacity</td><td>±2400 mAh</td></tr>
<tr><td>Scan Per Charge</td><td>±14,000 scans</td></tr>
<tr><td>Charging Method</td><td>Charging cradle (base station)</td></tr>
<tr><td>Charging Time</td><td>±4 hour full</td></tr>
<tr><td>Indicator</td><td>LED + beep + vibration feedback</td></tr>
</table></td><td></td><td></td><td></td></tr>
<tr><td>G.7</td><td>DELL G3-15 Keyboard atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Device Type</td><td>Internal Laptop Replacement Keyboard</td></tr>
<tr><td>Compatibility Series</td><td>Dell G3 15 Series</td></tr>
<tr><td>Keyboard Layout</td><td>Full-size laptop layout with numeric keypad</td></tr>
<tr><td>Backlight</td><td>White or Red backlit</td></tr>
<tr><td>Interface</td><td>Ribbon cable</td></tr>
<tr><td>Key Type</td><td>Membrane scissor-switch laptop keys</td></tr>
<tr><td>Key Material</td><td>ABS keycaps</td></tr>
<tr><td>Language Layout</td><td>US</td></tr>
<tr><td>Installation Type</td><td>Internal replacement</td></tr>
<tr><td>Operating Voltage</td><td>Powered via motherboard connector</td></tr>
<tr><td>Function Keys</td><td>Multimedia hotkeys & FN shortcuts supported</td></tr>
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<tr><th>BIL.</th><th>SPESIFIKASI</th><th>YA</th><th>TIDAK</th><th>CATATAN</th></tr>
<tr><td>G.8</td><td>Keychron Q6 Ultra Mechanical Keyboard atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Product Type</td><td>Full-Size Wireless Magnetic Mechanical Keyboard</td></tr>
<tr><td>Layout</td><td>100% ANSI layout with dedicated numeric keypad</td></tr>
<tr><td>Mounting Structure</td><td>Double-Gasket Mount design</td></tr>
<tr><td>Body Material</td><td>CNC-machined full aluminium chassis</td></tr>
<tr><td>Plate Material</td><td>Aluminium / Steel switch plate</td></tr>
<tr><td>Switch Technology</td><td>Hall-Effect Magnetic Switch</td></tr>
<tr><td>Key Feel Requirement</td><td>Tactile / Brown-type feedback (non-clicky, low noise operation)</td></tr>
<tr><td>Adjustable Actuation</td><td>Approx. 0.1 mm – 4.0 mm adjustable actuation distance</td></tr>
<tr><td>Rapid Trigger</td><td>Supported (dynamic reset input detection)</td></tr>
<tr><td>Connectivity</td><td>USB-C wired, 2.4 GHz wireless receiver, Bluetooth 5.3</td></tr>
<tr><td>Multi-Device Pairing</td><td>Minimum 3 Bluetooth devices</td></tr>
<tr><td>Polling Rate</td><td>Up to 8000 Hz (wired / 2.4 GHz mode)</td></tr>
<tr><td>Key Rollover</td><td>Full N-Key Rollover (NKRO)</td></tr>
<tr><td>Backlight</td><td>Per-key RGB backlight (south-facing LED)</td></tr>
<tr><td>Programmability</td><td>QMK / VIA programmable firmware with macro support</td></tr>
<tr><td>Onboard Memory</td><td>Support profile and macro storage</td></tr>
<tr><td>Compatibility</td><td>Windows, macOS & Linux compatible</td></tr>
<tr><td>Keycap Support</td><td>Compatible with MX-style keycaps</td></tr>
<tr><td>Rotary Encoder</td><td>Programmable control knob included</td></tr>
<tr><td>Battery</td><td>Built-in rechargeable battery 4000 mAh</td></tr>
<tr><td>Charging Interface</td><td>Detachable USB-C cable</td></tr>
<tr><td>Typing Angle</td><td>Adjustable multi-angle feet</td></tr>
<tr><td>Dimensions</td><td>Approx. 440 × 137 × 31 mm</td></tr>
<tr><td>Accessories</td><td>USB-C cable, wireless receiver, keycap puller, switch puller, spare keycaps</td></tr>
<tr><td>Application</td><td>Productivity</td></tr>
<tr><td>Warranty</td><td>Minimum 12 months</td></tr>
</table></td><td></td><td></td><td></td></tr>
<tr><td>G.9</td><td>Apple Magic Mouse (USB C) dan yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Product Type</td><td>Wireless Multi-Touch Optical Mouse</td></tr>
<tr><td>Connectivity</td><td>Bluetooth wireless</td></tr>
<tr><td>Sensor Type</td><td>Optical tracking sensor</td></tr>
<tr><td>Multi-Touch Feature</td><td>Full multi-touch gesture surface (scroll, swipe, navigation)</td></tr>
<tr><td>Compatibility</td><td>macOS compatible (native), Windows basic function supported</td></tr>
<tr><td>Button Configuration</td><td>Touch surface integrated left & right click</td></tr>
<tr><td>Scrolling</td><td>Touch-sensitive 360° smooth scrolling</td></tr>
<tr><td>Battery Type</td><td>Built-in rechargeable lithium-ion battery</td></tr>
<tr><td>Charging Interface</td><td>USB-C charging port</td></tr>
<tr><td>Battery Life</td><td>Up to ±1 month per charge (typical usage)</td></tr>
<tr><td>Charging Cable</td><td>USB-C charging cable included</td></tr>
<tr><td>Tracking Technology</td><td>Laser/optical precision tracking</td></tr>
<tr><td>Surface Requirement</td><td>Compatible with most desk surfaces (recommended mousepad)</td></tr>
<tr><td>Operating System Support</td><td>macOS (full feature), Windows / Linux (basic cursor operation)</td></tr>
<tr><td>Gesture Support</td><td>Swipe between pages, smart zoom, momentum scrolling</td></tr>
<tr><td>Power Management</td><td>Automatic sleep & wake function</td></tr>
<tr><td>Installation</td><td>Plug & play pairing via Bluetooth</td></tr>
<tr><td>Colour</td><td>White / Black (subject to availability)</td></tr>
<tr><td>Application</td><td>Office productivity, document editing, general computing</td></tr>
<tr><td>Warranty</td><td>Minimum 12 months</td></tr>
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<table>
<tr><th>BIL.</th><th>SPESIFIKASI</th><th>YA</th><th>TIDAK</th><th>CATATAN</th></tr>
<tr><td>H</td><td>PERALATAN RANGKAIAN</td><td></td><td></td><td></td></tr>
<tr><td>H.1</td><td>RJ45 CAT6A Tool-Free Connector atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>1. Component Type</td><td>RJ45 tool-free modular connector (8P8C)</td></tr>
<tr><td>2. Standard</td><td>Category 6A (10GBASE-T) compliant</td></tr>
<tr><td>3. Tool-Free Installation</td><td>Crimp tool free</td></tr>
<tr><td>4. Supported Cable</td><td>Cat6A UTP/STP twisted pair cable</td></tr>
<tr><td>5. Data Rate & Bandwidth</td><td>10 Gbps, bandwidth 500 MHz</td></tr>
<tr><td>6. Wiring Scheme</td><td>T568A & T568B</td></tr>
<tr><td>7. Conductor / Wire Size</td><td>Solid/Stranded cables 23–26 AWG</td></tr>
<tr><td>8. Contact Material</td><td>Gold-plated phosphor bronze contacts</td></tr>
<tr><td>9. Contact & IDC Life</td><td>750 mating cycles</td></tr>
<tr><td>10. Operating Temp</td><td>-10 °C to 60 °C</td></tr>
<tr><td>11. Physical / Housing</td><td>Durable housing</td></tr>
<tr><td>12. Compliance & Certifications</td><td>ISO/IEC 11801 / ANSI/TIA-568 standards (Cat6A)</td></tr>
</table></td><td></td><td></td><td></td></tr>
<tr><td>H.2</td><td>NOYAFA NF8508 Multifunction Network Cable Tester atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>1. Jenis Peranti</td><td>Multifunction network cable tester</td></tr>
<tr><td>2. Supported Cable Types</td><td>RJ45 Ethernet (CAT5/CAT6), RJ11 telephone, BNC coax</td></tr>
<tr><td>3. Main Functions</td><td>• Wire mapping & continuity test• Cable tracing/scan• Port flash (port identification)• Cable length measurement• PoE check (af/at & non-standard detection)• Crystal head QC test</td></tr>
<tr><td>4. Optical Functions</td><td>• Optical Power Meter (OPM) support multiple wavelengths• Visual Fault Locator (VFL) 10 mW laser</td></tr>
<tr><td>5. NCV & Safety</td><td>Non-contact voltage (NCV) detection</td></tr>
<tr><td>6. Display</td><td>LCD display with backlight</td></tr>
<tr><td>7. Power & Battery</td><td>Rechargeable lithium battery (~3.7 V / ~1500 mAh) with USB-C charging</td></tr>
<tr><td>8. Measurement Ranges</td><td>Cable length measurement up to ~200 m</td></tr>
<tr><td>9. Operating Environment</td><td>Operating temperature ~0 °C to ~40 °C</td></tr>
<tr><td>10. Connectivity / Interfaces</td><td>RJ45, RJ11, optical ports (with adapters)</td></tr>
<tr><td>11. Physical</td><td>Portable handheld design</td></tr>
<tr><td>12. Compliance / Certification</td><td>CE / FCC / other safety & EMC standards (as applicable)</td></tr>
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<tr><th>BIL.</th><th>SPESIFIKASI</th><th>YA</th><th>TIDAK</th><th>CATATAN</th></tr>
<tr><td>I</td><td>BEKALAN KUASA</td><td></td><td></td><td></td></tr>
<tr><td>I.1</td><td>UGREEN 45W GaN Charger with Retractable USB-C cable atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>1. Device Type</td><td>Wall charger GaN fast charger dengan kabel USB-C built-in retractable</td></tr>
<tr><td>2. Charger Technology</td><td>GaN (Gallium Nitride) high-efficiency fast charging</td></tr>
<tr><td>3. Max Output Power</td><td>45 W total</td></tr>
<tr><td>4. Output Ports</td><td>• Kabel USB-C built-in (retractable, ±0.7 m)• USB-C tambahan 1 port</td></tr>
<tr><td>5. Supported Charging Protocols</td><td>USB Power Delivery (PD 3.0/2.0), PPS, QC 3.0, QC2.0, SCP, AFC, Apple/Samsung safe profiles</td></tr>
<tr><td>6. Cable Design</td><td>Retractable TPE cable (±69 cm extended) with auto retract mechanism</td></tr>
<tr><td>7. Safety Protections</td><td>Protections: over-voltage, over-current, over-temperature, short-circuit, etc.</td></tr>
<tr><td>8. Input Voltage</td><td>100–240 Vac, 50/60 Hz</td></tr>
<tr><td>9. Compatibility Devices</td><td>Smartphones, tablets, laptops with USB-C charging</td></tr>
<tr><td>10. Form Factor</td><td>Compact wall-plug design, portable for travel</td></tr>
</table></td><td></td><td></td><td></td></tr>
<tr><td>I.2</td><td>Heavy Duty IP66 Weatherproff Extension Trailing socket 15M atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Device Type</td><td>Heavy Duty Weatherproof Extension Trailing Socket</td></tr>
<tr><td>Socket Outlets</td><td>2-Way outlet</td></tr>
<tr><td>Ingress Protection</td><td>IP66 waterproof & dustproof</td></tr>
<tr><td>Rated Power</td><td>Up to 3000 W</td></tr>
<tr><td>Rated Voltage</td><td>240 V AC (50 Hz)</td></tr>
<tr><td>Rated Current</td><td>13 A</td></tr>
<tr><td>Cable Length</td><td>15 meter</td></tr>
<tr><td>Cable Type</td><td>Industrial rubber insulated cable</td></tr>
<tr><td>Plug Type</td><td>UK / Type-G 3-pin fused plug</td></tr>
<tr><td>Safety Protection</td><td>Splash-proof cover with sealing gasket</td></tr>
<tr><td>Overload Protection</td><td>Built-in fuse protection</td></tr>
<tr><td>Operating Environment</td><td>Indoor & outdoor use</td></tr>
<tr><td>Cable Jacket</td><td>Heavy duty weather-resistant insulation</td></tr>
<tr><td>Mounting</td><td>Portable trailing cable / hangable use</td></tr>
</table></td><td></td><td></td><td></td></tr>
<tr><td>I.3</td><td>Masterplug Surge Protector 4 Gang 2 USB (3.1A) 2 Meter atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Product Name / Model</td><td>Masterplug Surge Protector 4 Gang + 2 USB (3.1A) 2 m Cable</td></tr>
<tr><td>Mains Sockets</td><td>4 × UK Type G 13 A outlets</td></tr>
<tr><td>USB Ports</td><td>2 × USB-A charging ports (shared 3.1 A total)</td></tr>
<tr><td>Surge Protection</td><td>Yes - protects against surges & spikes</td></tr>
<tr><td>Peak Surge Current / Energy</td><td>~13,000 A / ~370–375 J (MOV + gas tube protection)</td></tr>
<tr><td>Response Time</td><td>25 ns</td></tr>
<tr><td>Indicators</td><td>LED Power indicator & LED Surge Status indicator</td></tr>
<tr><td>Power Switch</td><td>Yes (mains power ON/OFF switch)</td></tr>
<tr><td>Safety Shutters</td><td>Yes (socket child-safety shutters)</td></tr>
<tr><td>Cable Length</td><td>2 meters</td></tr>
<tr><td>Input Rating</td><td>13 A, 220–240 V AC (standard mains)</td></tr>
<tr><td>Wall Mounting</td><td>Yes (wall fixing holes)</td></tr>
<tr><td>Plug Type</td><td>UK Type G plug</td></tr>
<tr><td>Colour / Finish</td><td>Polished Black (or variants)</td></tr>
<tr><td>Warranty</td><td>~3 years connected equipment warranty</td></tr>
</table></td><td></td><td></td><td></td></tr>
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<table>
<tr><th>BIL.</th><th>SPESIFIKASI</th><th>YA</th><th>TIDAK</th><th>CATATAN</th></tr>
<tr><td>I.4</td><td>Cityork 11800mAh NP-F9900 battery atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Battery Type</td><td>Rechargeable Lithium-Ion (Sony NP-F series compatible)</td></tr>
<tr><td>Model Class</td><td>NP-F990 equivalent high-capacity</td></tr>
<tr><td>Capacity</td><td>11800 mAh</td></tr>
<tr><td>Nominal Voltage</td><td>7.4 V</td></tr>
<tr><td>Energy</td><td>~87 Wh</td></tr>
<tr><td>Charging Method</td><td>External NP-F charger / dual charger dock</td></tr>
<tr><td>Output Interface</td><td>Standard Sony NP-F plate contact</td></tr>
<tr><td>Protection Circuit</td><td>Over-charge, over-discharge, short-circuit protection</td></tr>
<tr><td>Battery Indicator</td><td>LED level indicator button</td></tr>
<tr><td>Compatibility</td><td>Field monitor, wireless video TX/RX, LED light, DSLR rig</td></tr>
<tr><td>Size Class</td><td>Large capacity NP-F battery (long runtime)</td></tr>
</table></td><td></td><td></td><td></td></tr>
<tr><td>I.5</td><td>Maxell CR2032 Battery atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Battery Type</td><td>Lithium Coin Cell (Primary / non-rechargeable)</td></tr>
<tr><td>Model</td><td>CR2032</td></tr>
<tr><td>Nominal Voltage</td><td>3 V DC</td></tr>
<tr><td>Capacity</td><td>±220–240 mAh</td></tr>
<tr><td>Chemistry</td><td>Lithium Manganese Dioxide (Li-MnO2)</td></tr>
<tr><td>Diameter</td><td>20 mm</td></tr>
<tr><td>Thickness</td><td>3.2 mm</td></tr>
<tr><td>Operating Temperature</td><td>~20 °C to +60 °C</td></tr>
<tr><td>Shelf Life</td><td>Up to ±5–10 years (sealed storage)</td></tr>
<tr><td>Rechargeable</td><td>No (single-use battery)</td></tr>
<tr><td>Leak Resistance</td><td>High leak-resistant sealing design</td></tr>
</table></td><td></td><td></td><td></td></tr>
<tr><td>I.6</td><td>LED Digital Type Power Supply Tester
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Product Type</td><td>Computer ATX Power Supply Diagnostic Tester</td></tr>
<tr><td>Compatibility</td><td>Support ATX, ITX, BTX standard power supply</td></tr>
<tr><td>Main Connector Support</td><td>20-Pin & 24-Pin ATX connector</td></tr>
<tr><td>Additional Connector Support</td><td>4-Pin / 8-Pin CPU, PCIe 6-Pin, PCIe 8-Pin, SATA & Molex connector</td></tr>
<tr><td>Display Type</td><td>Integrated LCD Display Screen</td></tr>
<tr><td>Voltage Detection</td><td>Automatic voltage detection and display</td></tr>
<tr><td>Detected Voltage Rails</td><td>+12V, +5V, +3.3V, -12V, +5VSB</td></tr>
<tr><td>Power-Good (PG) Detection</td><td>Display PG signal timing (ms)</td></tr>
<tr><td>Alarm Indicator</td><td>Audible buzzer alarm for abnormal voltage</td></tr>
<tr><td>Accuracy</td><td>Voltage tolerance detection within ±0.1V</td></tr>
<tr><td>Test Method</td><td>Plug-and-play automatic PSU startup</td></tr>
<tr><td>Power Source</td><td>Powered directly from tested PSU (no external adapter required)</td></tr>
<tr><td>Safety Feature</td><td>Reverse connection protection & over-voltage alert</td></tr>
<tr><td>Indicator</td><td>Visual LCD reading and audible warning</td></tr>
<tr><td>Material</td><td>ABS insulated casing</td></tr>
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<tr><th>BIL.</th><th>SPESIFIKASI</th><th>YA</th><th>TIDAK</th><th>CATATAN</th></tr>
<tr><td>J</td><td>PERALATAN KESELAMATAN</td><td></td><td></td><td></td></tr>
<tr><td>J.1</td><td>ZKTECO Multibio 600/ID Multi-Biometric atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Device Type</td><td>Multi-Biometric Access Control & Time Attendance Terminal</td></tr>
<tr><td>Authentication Method</td><td>Fingerprint + RFID Card + Password (PIN)</td></tr>
<tr><td>Fingerprint Capacity</td><td>Up to ±3,000 fingerprints</td></tr>
<tr><td>Card Capacity</td><td>Up to ±10,000 RFID users</td></tr>
<tr><td>Transaction Log</td><td>Up to ±100,000 records</td></tr>
<tr><td>Fingerprint Sensor</td><td>Optical fingerprint sensor</td></tr>
<tr><td>Card Type</td><td>125 kHz RFID (EM card)</td></tr>
<tr><td>Display</td><td>2.8" TFT color screen</td></tr>
<tr><td>Verification Time</td><td>< 1 second</td></tr>
<tr><td>Communication</td><td>TCP/IP LAN, USB host</td></tr>
<tr><td>Access Control Output</td><td>Relay output (NO/NC)</td></tr>
<tr><td>Wiegand Interface</td><td>Wiegand input & output supported</td></tr>
<tr><td>Door Control</td><td>Maglock / electric strike / door release button</td></tr>
<tr><td>Alarm Function</td><td>Door open timeout, tamper alarm</td></tr>
</table></td><td></td><td></td><td></td></tr>
<tr><td>J.2</td><td>Tuya Wifi RF433 Door Exit Button atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Peranti</td><td>Smart Access Control Exit Button</td></tr>
<tr><td>Platform</td><td>Tuya Smart / Smart Life App</td></tr>
<tr><td>Wireless</td><td>WiFi 2.4 GHz + RF433 MHz</td></tr>
<tr><td>RF Frequency</td><td>433.92 MHz</td></tr>
<tr><td>Remote Distance</td><td>±30 m indoor / ±100 m outdoor</td></tr>
<tr><td>Working Voltage</td><td>DC 12V</td></tr>
<tr><td>Control Method</td><td>Push button / Mobile App / RF remote / Voice control</td></tr>
<tr><td>App Support</td><td>Tuya Smart / Smart Life</td></tr>
<tr><td>Voice Assistant</td><td>Alexa & Google Home</td></tr>
<tr><td>Relay Type</td><td>Dry Contact (NO/NC output)</td></tr>
<tr><td>Operating Mode</td><td>Inching (momentary) & self-locking (Manuals+)</td></tr>
<tr><td>Material</td><td>Flame-retardant plastic resin</td></tr>
<tr><td>Life Cycle</td><td>±100,000 presses</td></tr>
</table></td><td></td><td></td><td></td></tr>
<tr><td>J.3</td><td>TP-Link tapo D235 Smart Video Doorbell atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Device Type</td><td>Smart Wi-Fi Video Doorbell (Battery Powered)</td></tr>
<tr><td>Camera Resolution</td><td>5MP (2K) high-definition video</td></tr>
<tr><td>Viewing Angle</td><td>180° ultra-wide head-to-toe field of view</td></tr>
<tr><td>Night Vision</td><td>Full-color night vision with spotlight and IR mode</td></tr>
<tr><td>Audio</td><td>Two-way audio (built-in microphone & speaker)</td></tr>
<tr><td>Motion Detection</td><td>AI detection: human, vehicle, pet & package</td></tr>
<tr><td>Notification</td><td>Real-time push notification via mobile application</td></tr>
<tr><td>Indoor Alert</td><td>Wireless indoor chime unit included</td></tr>
<tr><td>Alarm</td><td>Built-in siren & customizable ringtone</td></tr>
<tr><td>Wireless Standard</td><td>IEEE 802.11 b/g/n</td></tr>
<tr><td>Wi-Fi Frequency</td><td>2.4 GHz Wi-Fi</td></tr>
<tr><td>Mobile Application</td><td>Tapo App (Android & iOS)</td></tr>
<tr><td>Smart Assistant</td><td>Google Assistant & Amazon Alexa compatible</td></tr>
<tr><td>Local Storage</td><td>microSD card support (up to 512GB)</td></tr>
<tr><td>Cloud Storage</td><td>Tapo Care cloud recording</td></tr>
<tr><td>Recording Type</td><td>Motion-triggered & manual live recording</td></tr>
<tr><td>Power Source</td><td>Rechargeable battery or wired doorbell supply</td></tr>
<tr><td>Battery Type</td><td>Built-in lithium rechargeable battery</td></tr>
<tr><td>Battery Life</td><td>Up to approximately 5–6 months (typical usage)</td></tr>
<tr><td>Charging Method</td><td>USB charging</td></tr>
<tr><td>Installation</td><td>Wall mounting bracket</td></tr>
<tr><td>Weather Resistance</td><td>Outdoor weather-resistant housing</td></tr>
<tr><td>Color</td><td>Matte black finish</td></tr>
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<tr><th>BIL.</th><th>SPESIFIKASI</th><th>YA</th><th>TIDAK</th><th>CATATAN</th></tr>
<tr><td>J.4</td><td>5MP SriHome NVR WiFi Touch Screen Monitor + 4pc 2K PTZ Camera Night Vision 2-Way Audio NVS010-IPC047 atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Product Type</td><td>Wireless CCTV Surveillance Kit (NVR Monitor + 4 WiFi PTZ IP Camera)</td></tr>
<tr><td>NVR Type</td><td>Built-in WiFi Network Video Recorder with Touch Screen Monitor</td></tr>
<tr><td>Monitor Display</td><td>Minimum 10.1 inch IPS Touch Screen</td></tr>
<tr><td>Video Compression</td><td>H.265 / H.265+</td></tr>
<tr><td>Recording Resolution</td><td>Up to 5MP (2592 × 1944)</td></tr>
<tr><td>Channel Support</td><td>Minimum 4 Channel Wireless IP Camera</td></tr>
<tr><td>Storage Support</td><td>1 × SATA HDD Slot (support up to 6TB)</td></tr>
<tr><td>Network Connectivity</td><td>Built-in 2.4GHz WiFi Hotspot + LAN Port</td></tr>
<tr><td>Mobile Monitoring</td><td>Android & iOS Remote Viewing via Mobile Application</td></tr>
<tr><td>Recording Mode</td><td>Continuous Recording & Motion Detection Recording</td></tr>
<tr><td>Camera Resolution</td><td>Minimum 2K / 3MP (2304 × 1296) per camera</td></tr>
<tr><td>Camera Type</td><td>Outdoor WiFi PTZ Camera</td></tr>
<tr><td>PTZ Movement</td><td>Pan 355° , Tilt 90°</td></tr>
<tr><td>Night Vision</td><td>Infrared & Full Color Night Vision (minimum 20m distance)</td></tr>
<tr><td>Audio</td><td>Built-in Microphone & Speaker (2-Way Audio Communication)</td></tr>
<tr><td>Smart Detection</td><td>Human Motion Detection with Push Notification</td></tr>
<tr><td>Weather Protection</td><td>Minimum IP66 Weatherproof</td></tr>
<tr><td>Video Playback</td><td>Remote Playback & Video Backup via USB</td></tr>
<tr><td>Power Input</td><td>DC Adapter powered (NVR & Cameras)</td></tr>
<tr><td>Operating Frequency</td><td>2.4GHz Wireless Transmission</td></tr>
<tr><td>Accessories</td><td>Complete with 4 Cameras, Power Adapter, Mounting Kit & Accessories</td></tr>
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<tr><th>BIL.</th><th>SPESIFIKASI</th><th>YA</th><th>TIDAK</th><th>CATATAN</th></tr>
<tr><td>K</td><td>AKSESORI PINTAR</td><td></td><td></td><td></td></tr>
<tr><td>K.1</td><td>PLAUD Note NB-100 AI Voice Recorder atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Device Type</td><td>AI-powered portable voice recorder</td></tr>
<tr><td>Recording Method</td><td>Air conduction microphone + Vibration (phone call pickup)</td></tr>
<tr><td>Storage</td><td>64 GB internal memory</td></tr>
<tr><td>Recording Format</td><td>WAV / AI processed transcript</td></tr>
<tr><td>Microphone</td><td>Dual MEMS microphone array</td></tr>
<tr><td>Noise Reduction</td><td>AI noise filtering & voice enhancement</td></tr>
<tr><td>Connectivity</td><td>Bluetooth + Mobile App (iOS / Android)</td></tr>
<tr><td>Transcription</td><td>AI speech-to-text (multi-language supported)</td></tr>
<tr><td>AI Features</td><td>Auto summary, meeting notes, speaker separation</td></tr>
<tr><td>Battery Life</td><td>Up to ~30 hours recording</td></tr>
<tr><td>Charging Port</td><td>USB-C</td></tr>
<tr><td>Mounting</td><td>Magnetic attach (belakang phone / table)</td></tr>
<tr><td>Thickness</td><td>~3 mm ultra-thin design</td></tr>
</table></td><td></td><td></td><td></td></tr>
<tr><td>K.2</td><td>PLAUD NotePin AI Voice Recorder atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Device Type</td><td>Wearable AI Voice Recorder & Transcription Assistant</td></tr>
<tr><td>Recording Method</td><td>Dual MEMS microphone array (360° voice capture)</td></tr>
<tr><td>Noise Reduction</td><td>AI noise filtering & voice enhancement</td></tr>
<tr><td>Storage</td><td>Built-in internal storage (cloud sync via app)</td></tr>
<tr><td>Recording Format</td><td>High-quality digital audio + AI transcript</td></tr>
<tr><td>Connectivity</td><td>Bluetooth Low Energy (BLE) + Mobile App</td></tr>
<tr><td>Mobile Support</td><td>Android & iOS</td></tr>
<tr><td>AI Functions</td><td>Speech-to-text transcription, auto summary, action ITEMs, speaker separation</td></tr>
<tr><td>Languages</td><td>Multi-language (supports Bahasa Melayu mixed speech)</td></tr>
<tr><td>Battery Life</td><td>±20–30 hours recording (typical usage)</td></tr>
<tr><td>Charging Method</td><td>Magnetic charging dock / case</td></tr>
<tr><td>Charging Time</td><td>~2 hours</td></tr>
<tr><td>Controls</td><td>One-button record / stop</td></tr>
<tr><td>Indicator</td><td>LED status indicator</td></tr>
<tr><td>Mounting</td><td>Magnetic clip / lanyard wearable</td></tr>
<tr><td>Design</td><td>Ultra-compact wearable square form factor</td></tr>
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<tr><th>BIL.</th><th>SPESIFIKASI</th><th>YA</th><th>TIDAK</th><th>CATATAN</th></tr>
<tr><td>L</td><td>ERGONOMIK & AKSESORI MEJA</td><td></td><td></td><td></td></tr>
<tr><td>L.1</td><td>Flexispot AlcoveRise Standing Desk Converters M7MB - 35inch atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Product Type</td><td>Standing Desk Converter (Tabletop Workstation Riser)</td></tr>
<tr><td>Model</td><td>FlexiSpot AlcoveRise M7MB</td></tr>
<tr><td>Desktop Width</td><td>Minimum 35 inch (±89 cm)</td></tr>
<tr><td>Load Capacity</td><td>Minimum 15 kg</td></tr>
<tr><td>Height Adjustment</td><td>Gas Spring Assisted Lift Mechanism</td></tr>
<tr><td>Height Range</td><td>Approximately 12 cm – 50 cm adjustable</td></tr>
<tr><td>Adjustment Method</td><td>Manual lift with pneumatic spring (single handle)</td></tr>
<tr><td>Keyboard Tray</td><td>Integrated retractable keyboard & mouse tray</td></tr>
<tr><td>Desktop Material</td><td>High-density particle board / laminated finish</td></tr>
<tr><td>Frame Material</td><td>Powder-coated steel frame</td></tr>
<tr><td>Ergonomic Feature</td><td>Sit-Stand ergonomic working position support</td></tr>
<tr><td>Monitor Support</td><td>Support single or dual monitor setup</td></tr>
<tr><td>Stability</td><td>Anti-wobble structure with X-frame support</td></tr>
<tr><td>Installation</td><td>Pre-assembled / minimal installation required</td></tr>
<tr><td>Safety Feature</td><td>Smooth lift with locking height positions</td></tr>
<tr><td>Colour</td><td>Black (or equivalent)</td></tr>
</table></td><td></td><td></td><td></td></tr>
<tr><td>L.2</td><td>Cooler Master Notepal Ergostand IV Laptop Cooling Pad atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Design</td><td>Ergonomic adjustable stand</td></tr>
<tr><td>Cooling System</td><td>Large 200 mm cooling fan</td></tr>
<tr><td>Surface Material</td><td>Mesh metal surface with anti-slip rubber pads</td></tr>
<tr><td>Power Source</td><td>USB-powered (no external adapter required)</td></tr>
<tr><td>Cable Management</td><td>Built-in cable routing management</td></tr>
<tr><td>Airflow Direction</td><td>Upward airflow for laptop heat dissipation</td></tr>
<tr><td>Noise Level</td><td>Low-noise operation</td></tr>
<tr><td>Fan Control</td><td>Adjustable fan speed controller</td></tr>
<tr><td>Compatibility</td><td>Suitable for laptops up to 17-inch display</td></tr>
</table></td><td></td><td></td><td></td></tr>
<tr><td>L.3</td><td>Spiral Cable Management Organizer (10mm) 9M atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Product Type</td><td>Spiral Cable Wrap / Spiral Cable Management Organizer</td></tr>
<tr><td>Material</td><td>Flexible Polyethylene (PE) / Polypropylene (PP) insulation grade</td></tr>
<tr><td>Structure</td><td>Helical spiral open-wrap design</td></tr>
<tr><td>Function</td><td>Cable bundling, protection & routing management</td></tr>
<tr><td>Diameter Options</td><td>10 mm</td></tr>
<tr><td>Bundle Capacity</td><td>Supports multiple cable grouping</td></tr>
<tr><td>Length (Typical)</td><td>5 m per roll (cuttable & extendable)</td></tr>
<tr><td>Operating Temperature</td><td>-20 °C to +80 °C</td></tr>
<tr><td>Flame Resistance</td><td>Basic insulation grade (non-conductive protective covering)</td></tr>
<tr><td>Flexibility</td><td>Bendable & reusable (non-permanent installation)</td></tr>
<tr><td>Installation Method</td><td>Tool-free manual wrap installation</td></tr>
<tr><td>Cable Exit</td><td>Cables boleh keluar di mana-mana titik tanpa potong wrap</td></tr>
<tr><td>Protection Function</td><td>Anti-abrasion, anti-kink, dust protection, minor impact protection</td></tr>
<tr><td>Electrical Property</td><td>Non-conductive insulating material</td></tr>
<tr><td>Color</td><td>Black</td></tr>
<tr><td>Application</td><td>Office workstation, server rack, AV system, CCTV, network cabling</td></tr>
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<tr><th>BIL.</th><th>SPESIFIKASI</th><th>YA</th><th>TIDAK</th><th>CATATAN</th></tr>
<tr><td>L.4</td><td>GBC Fusion 3000L A3 Laminator atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Product Type</td><td>Office Laminating Machine</td></tr>
<tr><td>Model</td><td>GBC Fusion 3000L</td></tr>
<tr><td>Laminating Size</td><td>Up to A3</td></tr>
<tr><td>Warm-up Time</td><td>1 minute</td></tr>
<tr><td>Laminating Speed</td><td>Minimum 500 mm/min</td></tr>
<tr><td>Pouch Thickness</td><td>Support 75 – 125 micron laminating pouch</td></tr>
<tr><td>Heating Technology</td><td>Dual Roller Heat System</td></tr>
<tr><td>Control Indicator</td><td>LED Ready Indicator & Audible Alert</td></tr>
<tr><td>Operation Mode</td><td>Automatic temperature control</td></tr>
<tr><td>Anti-Jam Feature</td><td>Jam Release Lever Mechanism</td></tr>
<tr><td>Power Supply</td><td>220 – 240V AC, 50/60Hz</td></tr>
<tr><td>Safety Feature</td><td>Auto shut-off after idle period</td></tr>
<tr><td>Usage Category</td><td>Medium Duty Office Use</td></tr>
<tr><td>Application</td><td>Suitable for certificates, ID notice, signage, posters & documents</td></tr>
<tr><td>Build</td><td>Compact desktop design</td></tr>
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<tr><td>L.5</td><td>Greenwipes Electronic Cleaning Wipes
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Product Type</td><td>Electronic Equipment Cleaning Wipes</td></tr>
<tr><td>Cleaning Type</td><td>Pre-moistened anti-static cleaning wipes</td></tr>
<tr><td>Chemical Content</td><td>Alcohol-free / Ammonia-free solution</td></tr>
<tr><td>Surface Compatibility</td><td>LCD/LED Monitor, Laptop, Keyboard, Mouse, Printer & Electronic Devices</td></tr>
<tr><td>Anti-Static Feature</td><td>Yes (safe for electronic components & PCB surface)</td></tr>
<tr><td>Residue</td><td>Non-streak & non-residue cleaning</td></tr>
<tr><td>Material</td><td>Non-abrasive lint-free microfiber wipes</td></tr>
<tr><td>Packaging</td><td>Sealed canister / dispenser type</td></tr>
<tr><td>Quantity</td><td>Minimum 80 wipes per canister</td></tr>
<tr><td>Safety</td><td>Safe for coated screen & touch screen display</td></tr>
<tr><td>Application</td><td>Removal of dust, fingerprint, oil & light dirt on electronic equipment</td></tr>
<tr><td>Storage</td><td>Resealable cover to prevent drying</td></tr>
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<tr><th>BIL.</th><th>SPESIFIKASI</th><th>YA</th><th>TIDAK</th><th>CATATAN</th></tr>
<tr><td>M</td><td>PERALATAN KHAS</td><td></td><td></td><td></td></tr>
<tr><td>M.1</td><td>Creality CR-Scan Ferret Pro 3D Scanner atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Product Type</td><td>Handheld Portable 3D Scanner</td></tr>
<tr><td>Model</td><td>Creality CR-Scan Ferret Pro</td></tr>
<tr><td>Scanning Technology</td><td>Structured Light / NIR (Near-Infrared) Optical Scanning</td></tr>
<tr><td>Scanning Accuracy</td><td>Up to 0.1 mm</td></tr>
<tr><td>Resolution</td><td>Up to 0.16 mm 3D point distance</td></tr>
<tr><td>Scan Range</td><td>Approx. 150 mm – 2000 mm object size</td></tr>
<tr><td>Frame Rate</td><td>Up to 30 FPS scanning</td></tr>
<tr><td>Colour Capture</td><td>Full Colour Texture Scanning (RGB camera)</td></tr>
<tr><td>Tracking Method</td><td>Visual Tracking + Anti-Shake Algorithm</td></tr>
<tr><td>Connectivity</td><td>USB Type-C & WiFi Wireless Connection</td></tr>
<tr><td>Supported Device</td><td>Windows PC, Android & iOS Smartphone</td></tr>
<tr><td>Software</td><td>Creality Scan software (real-time preview & mesh generation)</td></tr>
<tr><td>Output Format</td><td>STL / OBJ / PLY</td></tr>
<tr><td>Light Requirement</td><td>Works in indoor & outdoor environment</td></tr>
<tr><td>Power Supply</td><td>Powered via USB (no external power adapter required)</td></tr>
<tr><td>Application</td><td>Reverse engineering, asset digitizing, modelling & 3D printing</td></tr>
<tr><td>Portability</td><td>Lightweight handheld portable design</td></tr>
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<tr><th>BIL.</th><th>SPESIFIKASI</th><th>YA</th><th>TIDAK</th><th>CATATAN</th></tr>
<tr><td>N</td><td>AKSESORI PERANTI</td><td></td><td></td><td></td></tr>
<tr><td>N.1</td><td>Alatganti Laptop Asus Tuf FX505
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Product Type</td><td>Laptop External Chassis / Outer Body Replacement Parts</td></tr>
<tr><td>Compatibility</td><td>ASUS TUF FX505 Series</td></tr>
<tr><td>Component Included</td><td>Bottom Cover, Palmrest Upper Case, LCD Back Cover (Top Lid) & Screen Bezel Frame</td></tr>
<tr><td>Material</td><td>ABS + Polycarbonate composite (high-impact plastic)</td></tr>
<tr><td>Finish</td><td>Matte / textured anti-scratch surface</td></tr>
<tr><td>Colour</td><td>Black / Gunmetal atau setara asal</td></tr>
<tr><td>Ventilation</td><td>Integrated cooling ventilation grills (factory design)</td></tr>
<tr><td>Mounting</td><td>Complete internal screw mounting points & bracket alignment</td></tr>
<tr><td>Hinge Support</td><td>Compatible with original display hinge assembly</td></tr>
<tr><td>Port Alignment</td><td>Exact cut-out for USB, HDMI, LAN, audio & power port</td></tr>
<tr><td>Keyboard Support</td><td>Compatible with original k</td></tr>
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<tr><td>N.2</td><td>MAGEASY CoverBuddy Lite Magnetic Case for iPad Pro 11" atau yang setara
<table>
<tr><th>ITEM</th><th>TECHNICAL SPECIFICATION</th></tr>
<tr><td>Product Type</td><td>Magnetic Protective Back Case for Tablet</td></tr>
<tr><td>Compatibility</td><td>iPad Pro 11" (2025 M5 / 2024 M4)</td></tr>
<tr><td>Keyboard Compatibility</td><td>Fully compatible with Apple Magic Keyboard without removing the case</td></tr>
<tr><td>Connection Technology</td><td>Smart Connector pass-through support for seamless Magic Keyboard connectivity</td></tr>
<tr><td>Magnetic System</td><td>Built-in strong magnetic attachment for secure connection with Magic Keyboard</td></tr>
<tr><td>Material</td><td>Polycarbonate (PC) with PU coating</td></tr>
<tr><td>Product Dimensions</td><td>Approximately 252 × 176 × 8 mm</td></tr>
<tr><td>Protection</td><td>Protects the back and sides of the iPad from scratches and minor impacts</td></tr>
<tr><td>Design</td><td>Slim and lightweight design that does not add significant bulk</td></tr>
<tr><td>Apple Pencil Support</td><td>Supports Apple Pencil magnetic attachment and wireless charging</td></tr>
<tr><td>Inner Lining</td><td>Soft microfiber inner layer to prevent scratches on device surface</td></tr>
<tr><td>Magnetic Design</td><td>Precision magnetic alignment for quick and secure installation</td></tr>
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<tr><th>BIL.</th><th>SPESIFIKASI</th><th>YA</th><th>TIDAK</th><th>CATATAN</th></tr>
<tr><td>O</td><td>AKSESORI KAMERA</td><td></td><td></td><td></td></tr>
<tr><td>O.1</td><td>DJI Osmo Mobile 7P atau yang setara
<table>
<tr><td>ITEM</td><td>SPESIFIKASI MINIMUM</td></tr>
<tr><td>Device Type</td><td>3-Axis Smartphone Stabilizer (Gimbal)</td></tr>
<tr><td>Stabilization</td><td>Mechanical 3-axis stabilization (pan, tilt, roll)</td></tr>
<tr><td>Compatible Phone Width</td><td>~67 – 84 mm smartphones</td></tr>
<tr><td>Max Payload</td><td>±300 g smartphone</td></tr>
<tr><td>Control Connection</td><td>Bluetooth 5.0</td></tr>
<tr><td>Companion App</td><td>DJI Mimo App</td></tr>
<tr><td>Tracking Technology</td><td>ActiveTrack AI subject tracking</td></tr>
<tr><td>Operating Modes</td><td>Follow, Tilt Lock, FPV, SpinShot</td></tr>
<tr><td>Gesture Control</td><td>Supported (start/stop recording via hand gesture)</td></tr>
<tr><td>Built-in Extension Rod</td><td>Yes (extendable selfie rod)</td></tr>
<tr><td>Tripod Mount</td><td>1/4” screw tripod support</td></tr>
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<tr><td>O.2</td><td>Ulanzi Zero V Carbon Fiber Camera Tripod
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Product Type</td><td>Professional Portable Camera Tripod</td></tr>
<tr><td>Model</td><td>Ulanzi Zero V Carbon Fiber</td></tr>
<tr><td>Material</td><td>Carbon Fiber Legs + Aluminium Alloy Components</td></tr>
<tr><td>Maximum Height</td><td>Minimum 155 cm</td></tr>
<tr><td>Minimum Height</td><td>Approximately 15–20 cm (low angle shooting)</td></tr>
<tr><td>Folded Length</td><td>45 cm (compact travel size)</td></tr>
<tr><td>Maximum Load Capacity</td><td>Minimum 18 kg</td></tr>
<tr><td>Leg Sections</td><td>5 Section Foldable Legs</td></tr>
<tr><td>Lock Mechanism</td><td>Quick Twist Lock System</td></tr>
<tr><td>Tripod Head</td><td>Ball Head with 360° Panoramic Rotation</td></tr>
<tr><td>Quick Release</td><td>Arca-Swiss Compatible Quick Release Plate</td></tr>
<tr><td>Level Indicator</td><td>Built-in Bubble Level</td></tr>
<tr><td>Leg Adjustment</td><td>Multi-angle leg adjustment (low angle/macro mode)</td></tr>
<tr><td>Mounting Thread</td><td>Standard 1/4” camera screw</td></tr>
<tr><td>Feet Type</td><td>Anti-slip rubber feet</td></tr>
<tr><td>Weight</td><td>1.2 kg</td></tr>
<tr><td>Application</td><td>DSLR / Mirrorless Camera / Video Recording / Photography</td></tr>
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<tr><td>P</td><td>PERANTI MUDAH ALIH</td><td></td><td></td><td></td></tr>
<tr><td>P.1</td><td>Sandisk Ultra Dual Drive 256GB atau yang setara
<table>
<tr><th>ITEM</th><th>SPESIFIKASI MINIMUM</th></tr>
<tr><td>Jenis Peranti</td><td>Dual Interface USB Flash Drive</td></tr>
<tr><td>Capacity</td><td>256 GB</td></tr>
<tr><td>Connector 1</td><td>USB Type-C</td></tr>
<tr><td>Connector 2</td><td>USB Type-A (standard PC port)</td></tr>
<tr><td>USB Standard</td><td>USB 3.1 / USB 3.2 Gen 1</td></tr>
<tr><td>Max Read Speed</td><td>Up to ±150 MB/s (read)</td></tr>
<tr><td>Write Speed</td><td>Up to ±40 MB/s</td></tr>
<tr><td>Compatibility</td><td>Windows, macOS, Linux, Android OTG</td></tr>
<tr><td>Mobile Support</td><td>Android phone/tablet (USB-C OTG)</td></tr>
<tr><td>App Support</td><td>SanDisk Memory Zone (auto backup phone)</td></tr>
<tr><td>Plug & Play</td><td>Yes</td></tr>
<tr><td>Power Source</td><td>Bus powered</td></tr>
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