

## TECHNICAL SPECIFICATIONS

### 1. DESKTOP

Minimum technical specifications	
<b>Min Proc. Rating According to: cpubenchmark.net</b>	7900 points
<b>Chipset</b>	Intel
<b>RAM</b>	8 GB DDR4, min. 2666 MHz, Non-ECC
<b>HDD Size</b>	500 GB
<b>HDD Speed</b>	7200 RPM SATA 6.0 Gb/s
<b>Disk Subsystem Controller</b>	Serial ATA III 6 Gb/s
<b>Graphics</b>	Integrated graphic Card, min. 1 GB
<b>Media Device</b>	DVD+/-RW
<b>Slots</b>	Min. (3) PCI/PCI-E, min. (1) PCI-E 3.0 x16
<b>Ports</b>	Min. (8) USB: a. Min. (3) USB front; b. Min. (4) USB 3.0 (1) RJ-45, (1) Audio In/Out, (1) Mic. and (1) Headphone, (1) port DP/DVI/HDMI/VGA
<b>Networking</b>	10/100/1000 LAN Integrated Gigabit Ethernet Port
<b>Sound</b>	Integrated Sound Card
<b>Speakers</b>	Internal or Built-in Monitor
<b>Security Management</b>	Embedded Security TPM 2.0
<b>Preinstalled Licensed O. S.</b>	OEM Windows 10 64-bit Professional
<b>Keyboard</b>	standard keyboard QWERTY
<b>Mouse</b>	Minimum 3 Button Scroll Optical
<b>Power Supply</b>	220 V AC, 50 Hz
<b>Energy Efficiency</b>	Energy Star
<b>Power Cord</b>	Yes, European
<b>Recover</b>	Recover Partition
<b>Warranty</b>	3 years
<b>MONITORI</b>	
<b>Type</b>	LCD OSE LED possibly of the same brand as the computer
<b>Size</b>	≥ 21"
<b>Native Resolution</b>	1920 x 1080 at 60 Hz
<b>Contrast Ratio Static</b>	1000:1
<b>Display Port</b>	(1) VGA (1) DP/DVI/HDMI
<b>Response Time</b>	≤ 6 ms
<b>Energy Efficiency</b>	Energy Star
<b>Power Supply</b>	220 V AC, 50 Hz
<b>Warranty</b>	3 years

## 2. UPS

Minimum technical specifications

<b>Power</b>	1000 VA
<b>Power Factor</b>	≥0.8
<b>Wave Form</b>	Sinusoidal
<b>Nominal Voltage</b>	220-240 V AC
<b>Frequency</b>	50 Hz +/- 5%
<b>Volt, Regul. (On Battery)</b>	+/-10%
<b>Output Connectors</b>	≥ (4) IEC 320 C13 (from battery)
<b>Nominal Voltage</b>	220 - 240 V AC
<b>Frequency</b>	50 Hz
<b>Voltage Window</b>	170 - 270 V AC
<b>AVR</b>	Po
<b>Input Connectors</b>	(1) IEC 320 C14
<b>Shutdown Software</b>	Po
<b>Led Indicators</b>	For all conditions
<b>Audible Indicators</b>	For all conditions
<b>Interface</b>	(1) DB9 Serial or USB
<b>Protection</b>	Overload, Discharge, and Overcharge Protection
<b>Transfer time</b>	≤4 ms
<b>Back-Up Time</b>	≥6 min. full load
<b>Battery Type</b>	12 V DC 7 Ah Lead-Acid
<b>Power Cord</b>	(1) European IEC-C13
<b>PC Power Cord</b>	(2) IEC 320 C13 - IEC 320 C14
<b>Data Cable</b>	(1) DB9 Serial - DB9 Serial or USB - USB
<b>Warranty</b>	2 years

### 3. LAPTOP

Minimum technical specifications

<b>Minimum technical specifications</b>	
<b>Min Proc. Rating According to: cpubenchmark.net</b>	4900 points
<b>Chipset</b>	Intel or equivalent
<b>RAM</b>	8 GB DDR4 min. 2400 MHz
<b>HDD Size</b>	256 GB SSD
<b>Graphics</b>	Integrated HD Graphics
<b>Display</b>	15" FHD LED (1920 x 1080), Anti Glare
<b>Battery</b>	Min. 45 Wh
<b>Ports</b>	Min. (3) USB, at least (2) should be USB 3.0; (1/1) Headphone/Microphone Jack or (1) Combo Jack; (1) Integrated web camera; (1) Integrated mic.; (1) DisplayPort/HDMI ; (1) Memory card reader
<b>Networking</b>	10/100/1000 Mbps LAN (RJ-45); Wireless 802.11 ac (compatible me 802.11b/g/n); Bluetooth min. V4.0;
<b>Sound</b>	Integrated, (2) x built-in speakers (stereo)
<b>Preinstalled Licensed O.S.</b>	OEM Windows 10 64-bit Professional
<b>Keyboard</b>	QWERTY
<b>Pointing Device</b>	Touch Pad
<b>Security Management</b>	Trusted Platform Module TPM 2.0
<b>Power Cord</b>	Yes, European
<b>Recharger</b>	Yes
<b>Mouse</b>	Yes
<b>Carrying bag</b>	Backpack, suitable for laptop and other accessories
<b>Recover</b>	Recover Partition
<b>Warranty</b>	3 years

### 4. PROJECTOR

Minimum technical specifications

<b>Type</b>	DLP or LCD or equivalent
<b>Brightness</b>	3000 ANSI Lumen
<b>Resolution</b>	XGA 1024 x 768
<b>Video Compatibility</b>	NTSC/PAL
<b>Lamp Life</b>	4000 hours, standard
<b>Contrast Ratio</b>	5 000 : 1

<b>Lens Adjusting</b>	F Number, Zoom Manual, Focus Manual
<b>Input Terminal</b>	(1) VGA, (1) HDMI, (1) COMPOSIT or (1) S-Video, (1) USB 2.0
<b>Power Cord</b>	European
<b>Remote Control</b>	Po
<b>Included Cords</b>	(1) VGA – VGA, (1) HDMI – HDMI, (1) RCA – RCA or (1) S-Video; cable should be at least 3 m
<b>CD User Manual</b>	Yes
<b>Carrying Bag</b>	Yes
<b>Warranty</b>	2 years

## 5. PRINTER

Minimum technical specifications

<b>Model</b>	Print, Scan, Copy
<b>Print Speed A4</b>	≥ 20 ppm
<b>Monthly Duty Cycle</b>	8 000 copy
<b>Technology</b>	Laser
<b>Print Quality</b>	600x600 dpi
<b>Input Capacity</b>	150 sheets
<b>Output Capacity</b>	50 pages
<b>Media format</b>	A4
<b>Memory</b>	≥ 64 MB
<b>Min. Optical Scan Resolution</b>	600x600 dpi
<b>Toner</b>	with starter Kit
<b>Interface</b>	High Speed USB 2.0
<b>Ethernet</b>	Yes
<b>Power Cord</b>	Yes, European
<b>Software/Drivers CD:</b>	Yes
<b>USB cable</b>	Yes
<b>Warranty</b>	1 year

## 6. COPIER

Minimum technical specifications

<b>Model</b>	Copier, Printer, Scanner
<b>Copy/Print Speed for A4</b>	≥ 30 ppm
<b>Copy/Print Resolution</b>	2400 x 600 dpi
<b>Control Panel</b>	Colour touch panel LCD
<b>Monthly Duty Cycle</b>	≥ 120 000 copy
<b>Multiple Copying</b>	≥ 999 copies
<b>Warm-Up Time</b>	approx. 20 sec
<b>First Print Output Time</b>	approx. 4.7 sec

<b>Paper Size &amp; Weight</b>	Cassettes: A5R-A3, 64-105 g/m <sup>2</sup> Large Capacity Feeder*: A4, 64-105 g/m <sup>2</sup> Bypass: A5R-A3, 52-209 g/m <sup>2</sup>
<b>Copy/Print Speed</b>	≥ 30 ppm (A4), 16 ppm (A3)
<b>Copy/Print Resolution</b>	600 x 600 dpi / 2,400 x 600 dpi
<b>Scan Speed</b>	57 SPM LT-Size @ 300 dpi, 45 SPM LT-Size @ 600 dpi, 43 SPM LT-Size @ 300 dpi (Color Scanning)
<b>Scan Resolution</b>	≥ 600 dpi
<b>Technology</b>	Laser B&W
<b>Reduction/Enlargement</b>	25% - 400%
<b>Document Feeder</b>	RADF/DADF
<b>Paper Trays</b>	2 x 550-Sheet, 100-Sheet Stack Feed Bypass
<b>Input Capacity min.</b>	≥ 3,200 sheets
<b>Output Capacity min. Standard</b>	250 pages
<b>Duplex Copying/Print.</b>	A5R-A3, 64-105 g/m <sup>2</sup>
<b>Media Sizes</b>	A3, A4, A5
<b>Memory</b>	≥ 2 GB
<b>Hard Disk</b>	≥ 250 GB
<b>Scan Speed</b>	≥ 25 ppm
<b>Scan Resolution</b>	600x600 dpi
<b>Maximum Scan Size</b>	A3
<b>Operating Systems</b>	Microsoft Windows, Mac, Linux
<b>Toner</b>	starter kit
<b>Connectivity</b>	10/100/1000BaseTX Ethernet, 802.11b/g/n, USB / Wireless LAN optional
<b>Power Cord</b>	Yes, European
<b>Software/Drivers CD</b>	Yes
<b>USB cable</b>	Yes
<b>Warranty</b>	1 year or 60 000 copies

## 7. SCANNER

Minimum technical specifications

<b>Type</b>	CCD ose CIS or equivalent
<b>Format</b>	A4
<b>Scanning Resolution</b>	600 dpi
<b>Scan Mode</b>	Simplex and Duplex
<b>Media Feeder Type</b>	ADF
<b>ADF Capacity</b>	80 pages
<b>Scanning Speed</b>	45 ppm / 90 ipm (300 dpi)
<b>Power Supply</b>	220 V AC, 50 Hz
<b>Functions</b>	Single and Multi-page, TIFF, JPEG, RTF, PDF, Searchable PDF
<b>Interface</b>	High-Speed USB 2.0
<b>Compatible O.S.</b>	Win. 10 / Mac

<b>Drivers + OCR Software</b>	Yes
<b>Power Supply + Cord</b>	Yes, European
<b>CD/DVD Drivers and Software</b>	Yes
<b>Data Cable</b>	(1) USB Cable
<b>Warranty</b>	3 years