

БАТЛАВ.
МЭДЭЭЛЭЛ ХОЛБООНЫ СҮЛЖЭЭ
ХХК-ИЙН ГҮЙЦЭТГЭХ ЗАХИРАЛ



Б. МӨНХБАТ

ИНЖЕНЕР ТЕХНИКИЙН АЖИЛЧДЫН АЖЛЫН КОМПЬЮТЕР,
ДАГАЛДАХ ХЭРЭГСЛИЙН ТЕХНИКИЙН ДААЛГАВАР
/᠘ ХУУДАС/

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ИНЖЕНЕР ТЕХНИКИЙН АЖИЛЧДЫН АЖЛЫН КОМПЬЮТЕР, ДАГАЛДАХ ХЭРЭГСЛИЙН ТЕХНИКИЙН ТОДОРХОЙЛОЛТ

Ерөнхий шаардлага: Нийлүүлэгдэх төхөөрөмж нь компанийн ажилчдын албан хэрэгцээнд хэрэглэгдэх зориулалттай ба дараах ерөнхий шаардлагуудыг хангасан байна.

- Баталгаат хугацаа нь 12 сар байх.
- Бүх төхөөрөмжүүд нь чанар, стандартын шаардлага хангасан шинэ байх.
- Төхөөрөмжүүд нь тэжээлийн залгуур, холболтын кабель, хор гэх мэт дагалдах хэрэгслүүдтэй байх.
- Принтерууд нь хэвлэх хуудасны тоог хязгаарладаггүй буюу тоолуургүй байх.

Шаардлагатай төхөөрөмжүүдийн төрөл, тоо хэмжээ

№	Төрөл	Тоо хэмжээ /ширхэг/
1	Суурин компьютер иж бүрдэл	44
2	Зөөврийн компьютер иж бүрдэл	11
3	Олон үйлдэлт А4 принтер /өнгөт/	6
4	Олон үйлдэлт А4 принтер /хар/	11
5	А3 принтер /өнгөт/	1

ТЕХНИКИЙН ШААРДЛАГА

1. СУУРИН КОМПЬЮТЕР ИЖ БҮРДЭЛ – 44 ШИРХЭГ

CPU	Intel Core i7-11 th Gen Processor /8 Core, 16M cache, 2.4GHz Up to 4.9GHz/ эсхүл түүнтэй дүйцэх
RAM	16GB, DDR4 3200MHz
GPU	Intel UHD Graphics 730 эсхүл түүнтэй дүйцэх
Storage	512GB NVMe PCIe M.2 x4 SSD
Audio	7.1 channel surround, On board HD Audio
Monitor	24" LED FHD 1920 x 1080 Monitor, power cord, display cable, 60Hz
Interface	Front- USB ports, Universal Audio Jack, Back- audio line mic-in, headphone- out, USB ports, Display Port or HDMI, Gigabit Ethernet Lan RJ-45
OS	Windows 10 Pro (64bit) genuine or Windows 11 Pro (64bit) genuine
Assembly	Accept only by a manufacturer
Accessories	Mouse, keyboard, mouse pad, power cord, 1 жилийн лицензтэй вирусийн программ

2. ЗӨӨВРИЙН КОМПЬЮТЕР ИЖ БҮРДЭЛ – 11 ШИРХЭГ

CPU	Intel Core i7-11 th Gen Processor /4 Core, 12M cache, 2.4GHz Up to 4.5GHz/ эсхүл түүнтэй дүйцэх
RAM	16GB DDR4 3200MHz
Display	15.6" FHD (1920x1080) Non-Touch, Anti-Glare, 250nits
Graphic	Intel Iris Xe Graphics эсхүл түүнтэй дүйцэх
Storage	512GB NVMe PCIe M.2 x4 SSD
Interface	2* USB 3.2, 1* HDMI 2.0, 1* RJ-45 Ethernet port, 1* Global headset jack
Camera/Microphone	HD Camera with integrated digital microphone
Wireless	Intel Dual Band Wi-Fi 6 AX201 2x2 802.11ax 160MHz + Bluetooth 5.2
Speaker	Dual speakers
Battery	4 Cell, 54 Wh, 65W AC Adapter
OS	Windows 10 Pro (64bit) genuine or Windows 11 Pro (64bit) genuine
Assembly	Accept only by a manufacturer
Accessories	Backpack, Mouse, Mouse pad, 1 жилийн лицензтэй вирусийн программ

3. ОЛОН ҮЙЛДЭЛТ А4 ПРИНТЕР /Өнгөт/ – 6 ШИРХЭГ

Олон үйлдэлт өнгөт принтер нь Canon брэнд эсхүл түүнтэй дүйцэх Монгол улс болон олон улсын зах зээлд танигдсан үйлдвэрлэгчийн загвар байх.

Print	Maximum Printing Resolution	4,800 (horizontal)*1 x 1,200 (vertical) dpi
	Print Speed*2	
	Document (ESAT/Simplex)	Approx. 10.8 ipm (black) / 6.0 ipm (colour)
	Document (FPOT Ready / Simplex)	Approx. 9.0 sec (black) / 14.0 sec (colour)
	Photo (4 x 6") (PP-201/Borderless)	Approx. 45 sec
Paper Size	Rear Tray	A4, A5, A6, B5, LTR, LGL,
		Executive (184.2 x 266.7 mm)
		(215 x 345 mm), Foolscap (215.9 x 330.2 mm),
		F4 (215.9 x 330.2 mm), Oficio2 (215.9 x 330.2 mm), B-Oficio (216 x 355 mm), M-Oficio (216 x 341 mm), 4 x 6", 5 x 7", 7 x 10", 8 x 10", Envelopes DL, Envelopes COM10,

		Envelopes C5, Envelopes Monarch (98.4 x 190.5 mm), Square (3.5 x 3.5", 5 x 5"), Card Size (91 x 55 mm)
Paper Weight	Rear Tray	Plain Paper: 64-105 g/m ²
		Max paper weight: approx. 275 g/m ²
		(Photo Paper Plus Glossy II, PP-201)
Scan	Scanner Type	Flatbed
	Scanner Method	CIS (Contact Image Sensor)
	Optical Resolution*6	600 x 1,200 dpi
	Scanning Bit Depth (Input/Output)	
	Grayscale	16 bit/8 bit
	Colour	RGB each 16 bit/8 bit
	Line Scanning Speed*7	
	Grayscale	1.5 ms/line (300 dpi)
	Colour	3.5 ms/line (300 dpi)
Copy	Compatible Media	
	Size	A4, A5, A6, B5, LTR, LGL, Executive (184.2 x 266.7 mm), Legal (215 x 345 mm), Foolscap (215.9 x 330.2 mm), B-Oficio (216 x 355 mm), M-Oficio (216 x 341 mm), 4 x 6", 5 x 7",
	Image Quality	3 positions (Economy, Standard, High)
	Density Adjustment	9 positions, Auto intensity (AE copy)
Copy Speed	Document (Colour): (sFCOT/Simplex) / (sESAT/Simplex)	Approx. 23 sec / 3.2 ipm
	Multiple Copy	
	Black & White/Colour	Max. 99 pages
Network	Protocol	SNMP, HTTP, TCP/IP (IPv4/IPv6)
	Wireless LAN	
	Network Type	IEEE802.11b/g/n
	Security	WEP 64/128 bit
		WPA-PSK (TKIP/AES) WPA2-PSK (TKIP/AES)
	Direct Connection (Wireless LAN)	Available
General Specifications	Operation Panel	
	Display	2-Line LCD
	Language	English
	Interface	USB 2.0
	PictBridge (Wireless)	Available
	Operating Environment	
	Temperature	5 - 35°C
	Humidity	10 - 90% RH (no dew condensation)
	Storage Environment	
	Temperature	0 - 40°C
	Humidity	5 - 95% RH (no dew condensation)
	Quiet Mode	Available
	Power	AC 100-240 V, 50/60 Hz

4. ОЛОН ҮЙЛДЭЛТ А4 ПРИНТЕР /Хар/ – 11 ШИРХЭГ

Олон үйлдэлт принтер нь Canon брэнд эсхүл түүнтэй дүйцэх Монгол улс болон олон улсын зах зээлд танигдсан үйлдвэрлэгчийн загвар байх.

Print	Printing Method	Monochrome Laser Beam Printing	
	Print Speed (A4)	27ppm	
	Print Resolution	600 x 600dpi	
	Print Quality with Image Refinement Technology	1,200 x 1,200dpi (equivalent)	
	Warm-Up Time (From Power On)	13.5secs. or less	
	First Print Out Time (FPOT) A4	Approx. 6.0secs.	
	Recovery Time (From Sleep Mode)	2.0secs. or less	
	Print Language	UFR II LT, PCL 6	
	Auto Duplex Printing	Standard	
	Available Paper Size for Auto Duplex Print	A4, Letter, Legal (*1),	
Copy	Copy Speed (A4)	27ppm	
	Copy Resolution	600 x 600dpi	
	First Copy Time (FCOT) A4	Approx. 9.0secs.	
	Maximum Number of Copies	Up to 999 copies	
	Reduce / Enlargement	25 - 400% in 1% increments	
Copy Features	Memory Sort, 2 on 1, 4 on 1, ID Card Copy		
Scan	Scan Type	Colour Contact Image Sensor	
	Scan Resolution	Optical	Up to 600 x 600dpi
		Driver Enhanced	Up to 9,600 x 9,600dpi
	Maximum Scan Size	Platen Glass	Up to 216 x 297mm
	Scan Speed (*2)	Platen Glass	Approx. 3.0secs. per sheet (mono)
			Approx. 4.0secs. per sheet (colour)
		ADF (A4)	20 / 15ipm (mono / colour)
	Colour Depth	24-bit	
	Pull Scan	Yes, USB and Network	
	Push Scan (Scan To PC) with MF Scan Utility	Yes, USB and Network	
Scan To Cloud	Yes, MF Scan Utility		
Scan Driver Compatibility	TWAIN, WIA, ICA		
Paper handling	Auto Document Feeder (ADF)	35 sheets (80g/m2)	
	Available Paper Size for ADF	A4, B5, A5, B6, Letter, Legal	
		(Min. 105 x 148mm to Max. 216 x 356mm)	
	Paper Input	Standard Cassette	250 sheets
	Paper Output (Based on 68g/m2)	100 sheets (face down)	
Paper Size	Standard Cassette	A4, B5, A5, Legal, Letter, Statement, Executive,	

			Government Letter, Government Legal, Foolscap, Indian Legal	
			Custom (Min. 76.2 x 210mm to Max. 216 x 356mm)	
		Multi-Purpose Tray	A4, B5, A5, Legal, Letter, Statement, Executive, Government Letter, Government Legal, Foolscap, Indian Legal	
			Custom (Min. 76.2 x 127mm to Max. 216 x 356mm)	
	Paper Type	Plain, Heavy, Recycled, Color, Bond, Label, Index Card, Envelope		
Connectivity & software	Standard Interface	Wired	High-Speed USB 2.0 10/100 Base-T Ethernet	
		Wireless	Wi-Fi 802.11b/g/n (Infrastructure mode, WPS Easy Setup, Direct Connection)	
	Network Interface	Print	LPD, RAW, IPP / IPPS, WSD-Print (IPv4, IPv6)	
		Scan	WSD-Scan (IPv4, IPv6)	
		TCP / IP Application Services:	Bonjour(mDNS), DHCP, BOOTP, RARP, Auto IP (IPv4), DHCPv6 (IPv6)	
		Management	SNMPv1/v3 (IPv4, IPv6), HTTP / HTTPS, SNTp	
	Network security	Wired	IP / Mac address filtering, SNMPv3, SSL (HTTPS / IPPS), IEEE802.1x	
		Wireless	WEP 64 / 128-bit, WPA-PSK (TKIP / AES), WPA2-PSK (AES)	
		Mobile Printing Capability	Canon PRINT Business, Canon Print Service, Google Cloud Print™, Apple AirPrint™, Mopria® Print Service	
	General	Device Memory	512MB	
Operational Panel		LCD		
Weight		Approx. 12.1kg (without cartridge)		
		Approx. 12.7kg (with cartridge)		
Power Consumption		Maximum	1,150W or less	
		During Operation (Avg.)	Approx. 490W	
		During Standby (Avg.)	Approx. 4.1W	
		During Sleep (Avg.)	Approx. 1.3W (USB connection)	
			Approx. 1.4W (Wired LAN connection)	
Operating Environment		Temperature: 10 - 30°C		
	Humidity: 20 - 80% RH (no condensation)			
	Power Requirement	AC 220 - 240V (±10%), 50 / 60Hz		

5. А3 ӨНГӨТ ПРИНТЕР – 1 ШИРХЭГ

Нийлүүлэгдэх принтер нь EPSON брэндийн L1300 А3 загвар эсхүл түүнтэй дүйцэх Монгол улс болон олон улсын зах зээлд танигдсан үйлдвэрлэгчийн загвар байх.

Nozzle configuration	360 Nozzles Black, 59 Nozzles per Color
Minimum droplet size	3 pl
Ink technology	Dye Ink
Printing resolution	5.760 x 5.706 DPI
Paper Formats	A3+, A3 (29.7x42.0 cm), A4 (21.0x29.7 cm), A5 (14.8x21.0 cm), A6 (10.5x14.8 cm), B4, B5, C6 (Envelope), DL (Envelope), No. 10 (Envelope), 10 x 15 cm, 13 x 18 cm, 13 x 20 cm, User-defined, Legal, C4 (Envelope)
Output Tray Capacity	40 Sheets
Paper Tray Capacity	100 Sheets Standard, 20 Photo Sheets
Media Handling	Manual duplex
Printing Speed ISO/IEC 24734	15 pages/min Monochrome, 5,5 pages/min Colour
Printing Speed	30 pages/min Monochrome (plain paper 75 g/m ²), 17 pages/min Colour (plain paper 75 g/m ²)
Supply Voltage	AC 220 V - 240 V
Product dimensions	705 x 322 x 215 mm (Width x Depth x Height)
Interfaces	USB
Power supply	220V, 240V