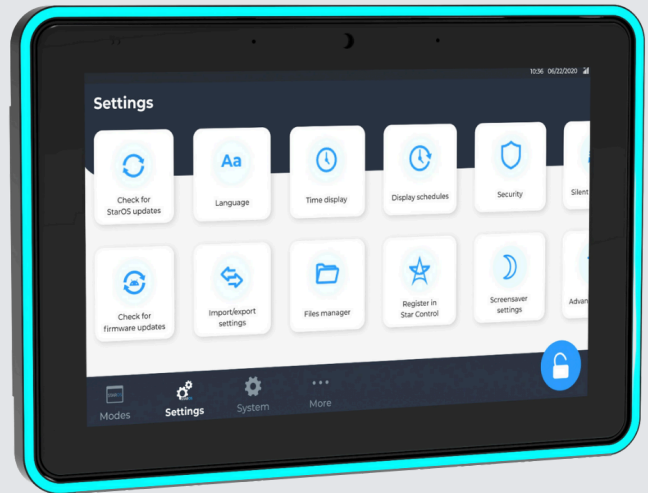
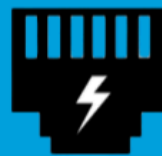


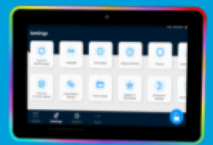
NEBULA X *GLow* LED Touchscreen



Capacitive Touch



Optional POE



With LED Lights

Overview

Nebula Glow X Series features 8-core processors and is available in three models: 10-inch (ALU100), 15.6-inch (NES150), and 21.5-inch (NES210), all offered as commercial and industrial-grade touch panel PCs and all-in-one devices. Combining high performance with energy efficiency, these devices come pre-installed with STAROS kiosk software, supporting secure single-application mode and multi-application parallel operation. They integrate STAR CONTROL remote device management (MDM) and Musea digital signage interactive editing system, while providing Startool open APIs for third-party integration. The devices also feature a programmable LED-lit bezel, customizable to meet your functional needs, blending utility with aesthetic appeal. Optional peripherals include 1D/2D barcode scanners and RFID readers.

Choice of Wi-Fi / Ethernet or POE available with 10" and 15.6inch

Modern design with flexible mounting in portrait, landscape and table-top orientation

Optimize deployments with cloud-based configuration, monitoring and scheduling

	Name	Nebula X Glow		
	Model	ALU100 Part#733/ GLOW	NES150 Part#733/ GLOW	NES210 Part#733/ GLOW
Screen Size	Size	10"	15.6"	21.5"
Panel Info	Resolution	1280x 800	1920 x 1080	1920 x 1080
	Panel Brightness	500cd/m²	450cd/m²	450cd/m²
	Brightness	425cd/m² with touch Screen	400cd/m² with touch Screen	400cd/m² with touch Screen
	Contrast	1000:1	1000:1	1300:1
	Aspect Ratio	16:10	16:9	16:9
	Active Display Area	216.576 ×135.36 mm	344.16 × 193.59 mm	476.064 x 267.786mm
	Viewing Angle	85°/85°/85°/85°	89°/89°/89°/89°	89°/89°/89°/89°
	Response time	30ms	20ms	14ms
Touch Data	Touch Tech	G+G 10 point cap touch	G+G 10 point cap touch Anti-glare glass IP65 Front Glass	G+G 10 point cap touch Anti-glare glass IP65 Front Glass
	Hardness Of Surface	≥ 6H	≥ 7H	> 6H
	Touch method	Finger touch 、 Capacitive stylus		
	Transparency	≥85%	≥85%	≥86%
	Touch Glass Thickness	2mm (Not including Sensor thickness)	2mm (Not including Sensor thickness)	2mm (Not including Sensor thickness)
	Bonded Panel	Optical bonded capacitive touch Panel		
Hardware & OS	CPU	8-core CPU (Dual-core Arm® Cortex®-A76+Hexa-core Arm® Cortex®-A55, Up to 2.0 GHz)		
	GPU	IMG BXM-4-64 MC1		
	NPU	3 Tops		
	RAM	4GB LPDDR5		
	ROM	64GB EMMC Flash		
	OS	Android 15+GMS		
Software	STAROS	License Free Kiosk Mode Auto Lockdown Browser and Media Mode		
	STARCONTROL	Remote Mobile Device Management		
	STARTOOL	Tool for developers to control device and Open API and controlling lights		
	Musea	· Digital Signage Software · Remote Creating and Managing Interactive Signage Content Remotely		
Video/ Image	Video Format	H.265, VP8, RV, WMV, AVS, H.263, Mpeg4, Up to 4K decoding, HTML5, Flash 10		
	Audio Format	MP3, WMA, AAC, etc.		
	Image Format	JPEG, BMP, PNG		
Audio	Speaker	2W x 2	2x5W	2x5W
Communciation	Bluetooth	BT 5.0	BT 5.0	BT 5.0
	Camera	2MP	2MP	2MP
	Noise Cancellation	X2 with Noise Canceling		
	Sensor	Ambient & Proximity sensor	N/A	N/A
WIFI	WIFI	802.11 a/b/g/n/ac 2.4GHz & 5GHz (Dual antenna)		
	Ethernet	10/100/1000 LAN POE		
Lights	Light Control	RGB LED		
General	Color	Grey+Black	Black or White	Black or White
	Plastic materials	Plastic ABS "Flame retardant, TBBA" (LED light frame Non-flame retardant material)	Plastic ABS	Plastic ABS
	I/O	RJ45 x 1, TF slot x 1, TYPE C x 1(onlyOTGupgrade) , USB2.0 x 1, 3.5mm audio x 1, DC x 1		
	Peripheral Connectors	TYPE C x 1 (only for GS module)	TYPE C x 1 (only for GS module)	TYPE C x 1 (only for GS module)
	4G	NO	Optional	Optional
	POE	Yes (IEEE802.3at)	Yes (IEEE802.3at)	Optional IEEE802.3bt(PSE 90W)
		(Choose either Power In or POE but not both at the same time)		
	Included in Box	Nebula Tablet, Power Adaptor, Power cable		
	Operating Environment	Working Temperature: 0-45 degree celsius		
	Language	Multi language		
Power Management	Power supply unit	External		
	Power supply	DC 12V 2A	DC 12V 5A	DC 12V 5A
	Power usage	15W typical, 9W stand by, 0.58W off mode	21.1W typical, 10.4W stand by, 0.91W off mode	TBD
Sustainability	Regulations	FCC, CE, UKCA , RoHS support		
	REACH SVHC	REACH does not contain SVHC above 0.1%: Lead		
Mounting	VESA	VESA 75 x 75	VESA 100 x 100	VESA 100 x 100
Dimensions	Dimensions (LxWXH)	267.05×185.69×28.85mm	375.98 x 32 x 227.98mm	515.97 x 36 x 311.97mm
	Weight	1.1 K g	2.1 kg	4.9kg
	Box size / each pc (LxWXH)	385 x 222 x 65 mm	443 x 115 x 303mm	583 x 115 x 382mm
	Master Box size (LxWXH)	470 x 400 x 355 mm	464 x 365 x 327mm	604 x 365 x 406mm
	Master Box Weight	15.2Kg	8.5kg	17.5kg
	Pieces/ Carton	10 PCS	3pcs	3pcs

Peripheral Options

1D Barcode Newland	BC100-NEW
2D Barcode Zebra	BC200-ZEB
Elatec RFID Reader	RFID-ELA Part#HFP

Mounting Options

Shelf Mount	FIX-014 (Foldable Mount with Magnet at one side) (For 10" models)
Desk Mount	FIX-027 (Foldable base bracket) (For 15.6" and 21.5" models)
	FIX-028 (Adjustable Desk Mount) (For 10" and 15.6" models)
	FIX-030 (For 15.6" and 21.5" models)
Wall Mount	WM015012S

CONTACT US

United States	Hong Kong	ShenZhen
101 Hudson St., 21st Floor Jersey City, NJ 07302 USA 626 228 5927	Flat D, 5/F, Excelsior Building, 364 Nathan Road, Kowloon, Hong Kong 852 23762803	Bldg. 9, 4/F Zhong Yuntai Technology Industrial Park, Tangtou No.1 Road, Shiyan Street, Baoan, ShenZhen, PRC 86 755 2600 1808

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