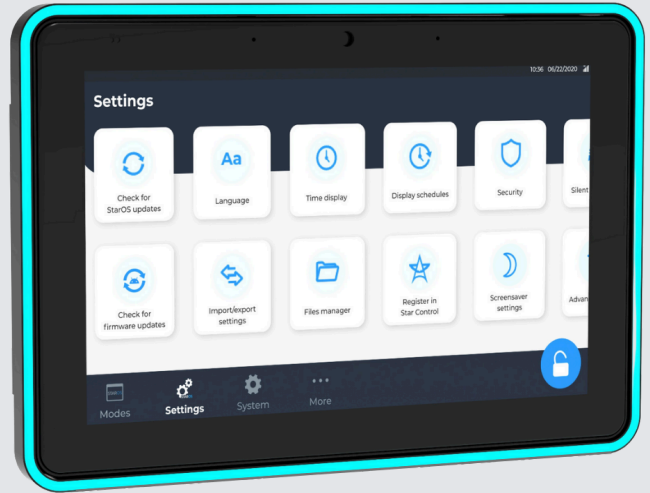
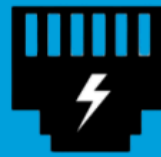


NEBULA AI *GLow* LED Touchscreen



Capacitive Touch



Optional POE



With LED Lights

Overview

Nebula AI Glow Series features quad-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

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

	Name	Nebula AI Glow		
	Model	ALU100 Part#576/GLOW	NES150 Part#576/GLOW	NES210 Part#576/GLOW
Screen Size	Size	10"	15.6"	21.5"
Panel Info	Resolution	1280x 800	1920 x 1080	1920 x 1080
	Panel Brightness	500cd/m ²	450cd/m ²	450cd/m ²
	Brightness	425cd/m ² with touch Screen	400cd/m ² with touch Screen	400cd/m ² with touch Screen
	Contrast	800:1	1000:1	1300:1
	Aspect Ratio	16:10	16:9	16:9
	Active Display Area	216.96 x 135.6mm	344.16 x 193.59 mm	476.064 x 267.786mm
	Viewing Angle	85°/85°/85°/85°	89°/89°/89°/89°	89°/89°/89°/89°
	Response time	15ms	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	Quad-core Cortex-A72 up to 2.2GHz, Quad-core Cortex-A53 up to1.8GHz		
	GPU	ARM Mali-G52, touted as 3x faster than the Mali-T860MP4 in the older RK3399		
	NPU	6 TOPS (Trillion Operations Per Second) of processing power		
	RAM	4GB LPDDR5		
	ROM	64GB EMMC		
	OS	Android 15		
	Software	STAROS	License Free Kiosk Mode App and Multi App 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		
GMS		N/A		
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	5MP	5MP	5MP
	Noise Cancellation	X2 with Noise Canceling	X2 with Noise Canceling	X2 with Noise Canceling
	Sensor	Ambient & Proximity sensor	N/A	N/A
WIFI	WIFI	802.11 a/b/g/n/ac/ax WiFi6 2.4GHz & 5GHz (Three antenna)		
	Ethernet	100/1000 LAN POE	100/1000 LAN POE	100/1000 LAN POE
General	Color	Grey+Black	Black or White	
	Plastic materials	Plastic ABS "Flame retardant, TBBA" (LED light frame Non-flame retardant material)	Plastic ABS	Plastic ABS
	I/O	RJ45x1, TFslotx1, TYPECx1,USB3.0x1, USB2.0x1, , 3.5mm audio x1, DCx1; 1×UART; 2×GPIO; ;1×Wiegand; 1×VCC-5V		
	Peripheral Connectors	TYPE C x 1 (only for GS module)	TYPE C x 2 (only for GS module)	TYPE C x 2 (only for GS module)
	4G	NO	Optional	Optional
	POE	Yes (IEEE802.3at)	Yes (IEEE802.3at) isolation	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	TBD	15.7W typical, 10.4W stand by, 8.6W off mode	TBD
Sustainability	Regulations	FCC, CE, UKCA , RoHS support		
	REACH SVHC	REACH does not contain SVHC above 0.1%: Lead		
Lights	Light Control	RGB LED		
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 (For reference)	4.9kg (For reference)
	Box size / each pc (LxWXH)	385 x 222 x 65 mm	443 x 115 x 303mm (For reference)	583 x 115 x 382mm (For reference)
	Master Box size (LxWXH)	470 x 400 x 355 mm	464 x 365 x 327mm (For reference)	604 x 365 x 406mm (For reference)
	Master Box Weight	15.2Kg	8.5kg (For reference)	17.5kg (For reference)
	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

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