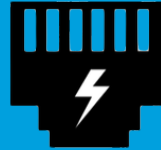


NEBULA AI Android Touchscreen Computer



Capacitive Touch



POE



Durable Built to Last

Overview

The Nebula AI Series offers cutting-edge touchscreen computers designed for self-service kiosks, digital signage, and commercial applications in retail, hospitality, healthcare, and industrial settings. This all-in-one touchscreen lineup—10", 15.6", and 21.5"—features Android touchscreen technology powered by a Quad-core Cortex-A72 and A53 CPU, 4GB LPDDR4X RAM, 32GB EMMC storage, and Android 15. With vibrant high-brightness displays up to 1920x1080 resolution and G+G 10-point capacitive touch with anti-glare glass, these interactive touchscreens ensure seamless user experiences. Equipped with WiFi 6, Bluetooth 5.0, POE-enabled LAN, and optional 4G, the series supports secure kiosk operations with STAROS KIOSKMODE for kiosk lockdown and multi-app kiosk functionality, STARCONTROL for remote device management, MUSEA DIGITAL SIGNAGE for engaging digital signage displays, and STARTOOL for customizable integrations via open-source API. Built with durable ABS plastic and compatible with VESA mounts, wall-mounted kiosks, freestanding kiosks, and peripherals like 1D/2D barcode scanners and RFID readers, the Nebula AI Series is the ultimate touchscreen solution for enterprise kiosks and interactive signage.

Specification

		Nebula AI Series		
		ALU100 Part#576	NES150 Part#576	NES210 Part#576
Screen Size	Model	ALU100 Part#576	NES150 Part#576	NES210 Part#576
	Size	10"	15.6"	21.5"
Panel Info	Resolution	1280 x 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 135.6 mm	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	Finger touch , Capacitive stylus	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 to 1.8GHz		
	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			
	Linux OS Support Debian11			
Software	STAROS	License Free Kiosk Mode App and Multi App Mode, Auto Lockdown, Browser and Media Mode		
	STAR CONTROL(OPTIONAL)	Remote Mobile Device Management		
	STARTOOL	Open Source API		
	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	2x2W	2x5W	2x5W
Communication	Bluetooth	BT 5.0		
	Noise Cancellation	X2 with Noise Canceling		
	Camera	5 MP		
	Sensor	Ambient & Proximity sensor	N/A	N/A
	WIFI	802.11 a/b/g/n/ac/ax WiFi6 2.4GHz & 5GHz (Three antenna)		
	Ethernet	100/1000 LAN POE		
	4G	NO	Optional	Optional
General	Color	Grey+Black	Black or white	Black or white
	Plastic materials	Plastic ABS Flame Retardant, TBBA	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 ,HDMI	RJ45x1, TFslotx1, TYPECx1,USB3.0x1, USB2.0x1, , 3.5mm audio x1, DCx1; 1×UART; 2×GPIO; ,1×Wiegand; 1×VCC-5V, HDMI	RJ45x1, TFslotx1, TYPECx1,USB3.0x1, USB2.0x1, 3.5mm audio x1, DCx1; 1×UART; 2×GPIO; 1×Wiegand; 1×VCC-5V , HDMI
	Peripheral Connectors	TYPE C x 2 (only for GS module)	TYPE C x 2 (only for GS module)	TYPE C x 2 (only for GS module)
	Included in Box	Nebula Tablet, Power Adapter, Power Cable		
	POE	Yes (IEEE802.3af)	Yes (IEEE802.3at) isolation	Optional (IEEE802.3bt) isolation
	Operating Environment	Working Temperature: 0-45 degree celsius		
	Language	Multi Language		
Power Management	Power supply unit	External	External	External
	Power supply	DC 12V 2A	DC 12V 5A	DC 12V 5A
Sustainability	Power usage	8.7W typical, 0.5W stand by, 0.5W off mode	12W typical, 1.3W stand by, 0.8W off mode	23W typical, 0.9W stand by, 0.6W off mode
	Regulations	FCC, CE, UKCA , RoHS support		
	REACH SVHC	REACH does not contain SVHC above 0.1%: Lead		
Mounting	VESA	75 x 75	100 x 100	100 x 100
Dimensions	Dimensions (LxWXH)	256.96 x 175.6 x 28.85mm	375.98 x 32 x 227.98mm	515.97 x 36 x 311.97mm
	Weight	1.1kg	2.1 kg	3.6kg
	Box size / each pc(LxWXH)	385 x 222 x 65mm	443 x 115 x 303mm	583 x 115 x 382mm
	Master Box size (LxWXH)	470 x 400 x 355mm	464 x 365 x 327mm	604 x 365 x 406mm
	Master Box Weight	15.2kg	8.5kg	13.7kg
	Pieces/ Carton	10pcs	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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