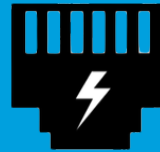


NEBULA AI Android Touchscreen Computer



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				
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 Communication	Speaker	2x2W	2x5W	2x5W	
	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	RJ45x1, TFslotx1, TYPECx1, USB3.0x1, USB2.0x1, 3.5mm audio x1, DCx1; 1×UART; 2×GPIO; 1×Wiegand; 1×VCC-5V	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 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	
	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	
Sustainability	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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