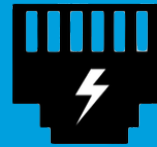


# NEBULA Lite Android Touchscreen Computer



**Capacitive Touch**



**POE**



**Durable Built to Last**

## Overview

The Nebula Lite Series, powered by a Quad Core ARM Cortex A53 1.5GHz processor, offers cost-effective, energy-efficient touchscreen tablets and all-in-one touchscreen computers in 10-inch (ALU100), 15.6-inch (ALU150), and 21.5-inch (ALU210) models for commercial touchscreen and industrial touchscreen applications. Featuring Wi-Fi (2.4GHz & 5GHz), Bluetooth 5.0, Power over Ethernet (PoE) support (IEEE802.3af for ALU100, IEEE802.3at for ALU150), and vibrant displays (up to 1920x1080) with 10-point capacitive touch, these commercial tablets ensure low power consumption (as low as 0.4W standby). Running Android 11 with STAROS kiosk software for secure kiosk mode and multi-app kiosk functionality, the series supports optional STAR CONTROL remote device management (MDM), Musea Digital Signage Studio for interactive signage, and Startool open-source API for third-party integration, plus peripherals like 1D/2D barcode scanners and RFID connectors. Ideal for self-service kiosks, touchscreen kiosks, restaurant ordering kiosks, retail touchscreen solutions, hotel check-in kiosks, and digital signage displays, this series delivers over-the-air updates and remote configuration for seamless operation in retail, hospitality, and industrial environments.

Available in 10", 15.6" and 21.5" widescreen with selectable high-performance CPUs and IPS capacitive touchscreens

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

Optimize deployments with cloud-based configuration, monitoring and scheduling

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

# Specification

		Nebula Lite		
Screen Size	Model Size	ALU100 Part#133 10"	NES150 Part#133 15.6"	NES210 Part#133 21.5"
Panel Info	Resolution	1280 x 800	1920 x 1080	1920 x 1080
	Panel Brightness	250cd/m <sup>2</sup>	450cd/m <sup>2</sup>	450cd/m <sup>2</sup>
	Brightness	N/A	400cd/m <sup>2</sup> with touch Screen	400cd/m <sup>2</sup> with touch Screen
	Contrast	1000:1	1000:1	1300:1
	Aspect Ratio	16:10	16:9	16:9
	Active Display Area	216.576 x 135.36 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°
Touch Data	Response time	30ms	20ms	14ms
	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)
Hardware & OS	Bonded Panel	Optical bonded capacitive touch Panel		
	CPU	Quad Core ARM Cortex A53 @1.5GHz		
	RAM	2GB LPDDR4		
	ROM	16GB eMMC Flash		
	OS	Android 11		
Software	STAROS	License Free Kiosk Mode Auto Lockdown Browser and Media Mode		
	STAR CONTROL (OPTIONAL)	Remote Device Management		
	STARTOOL	Open Source API		
	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	2 X 2W	2 x 5W	2 x 5W
Communication	Bluetooth	BT5.0	BT 5.0	BT5.0
	Microphone		x1	
	Camera		2MP	
	Sensor	Ambient and Proximity sensor	N/A	N/A
WIFI	WIFI	802.11 a/b/g/n/ac 2.4GHz & 5GHz (Dual antenna)		
	Ethernet	10/100 LAN POE		
General	Color	Grey+Black	Black or white	Black or white
	Plastic materials	Plastic ABS Flame Retardant, TBBA	Plastic ABS	Plastic ABS
	I/O	RJ45 x 1, TF slot x 1, TYPE C x 1(only OTG upgrade) , USB2.0 x 1, 3.5mm audio x 1, DC x 1	RJ45 x 1, TF slot x 1, TYPE C x 1(only OTG upgrade) , USB2.0 x 1, 3.5mm audio x 1, DC x 1	RJ45 x 1, TF slot x 1, TYPE C x 1(only OTG upgrade) , 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)
	POE	Yes (IEEE802.3af)	Yes (IEEE802.3at)	Not Supported, Only Power In
	Included in Box	Nebula Tablet, Power Adapter, Power Cable		
	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	4.9W typical, 1.6W stand by, 0.5W off mode	TBD	TBD
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
Extend Bracket	FIX036 (Side Bracket)

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