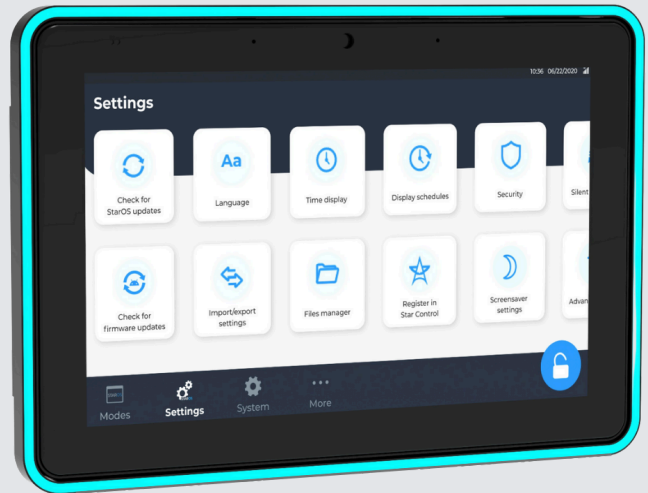
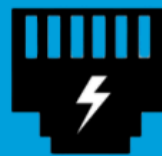


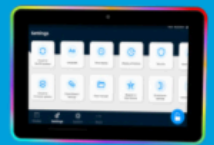
# NEBULA Lite *GLOW* LED Touchscreen



**Capacitive Touch**



**Optional POE**



**With LED Lights**

## Overview

Nebula Glow Lite 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 Glow Lite                                                                                  |                                                                |                                                                |
|------------------|----------------------------|---------------------------------------------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|
|                  | Model                      | ALU100 Part#133/ GLOW                                                                             | NES150 Part#133/ GLOW                                          | NES210 Part#133/ GLOW                                          |
| Screen Size      | Size                       | 10"                                                                                               | 15.6"                                                          | 21.5"                                                          |
| Panel Info       | Resolution                 | 1280x 800                                                                                         | 1920 x 1080                                                    | 1920 x 1080                                                    |
|                  | Panel Brightness           | 250cd/m²                                                                                          | 450cd/m²                                                       | 450cd/m²                                                       |
|                  | Brightness                 | N/A                                                                                               | 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 x 135.36mm                                                                                | 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<br>Anti-glare glass<br>IP65 Front Glass | G+G 10 point cap touch<br>Anti-glare glass<br>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)                           |
| Hardware & OS    | Bonded Panel               | Optical bonded capacitive touch Panel                                                             |                                                                |                                                                |
|                  | CPU                        | Quad Core ARM Cortex A53 @1.5GHz                                                                  |                                                                |                                                                |
|                  | RAM                        | 2GB LPDDR4                                                                                        |                                                                |                                                                |
|                  | ROM                        | 16GB EMMC                                                                                         |                                                                |                                                                |
|                  | OS                         | Android 11                                                                                        |                                                                |                                                                |
| 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 |                                                                |                                                                |
|                  | 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                     | 2MP                                                                                               | 2MP                                                            | 2MP                                                            |
|                  | Microphone                 | x1                                                                                                |                                                                |                                                                |
|                  | 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 LAN POE                                                                                    |                                                                | 10/100 LAN                                                     |
| General          | Color                      | Grey+Black                                                                                        | Black or White                                                 | Black or White                                                 |
|                  | Plastic materials          | Plastic ABS<br>"Flame retardant, TBBA"<br>(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      | N/A                                                                                               | TYPE C x 1<br>( only for GS module)                            | TYPE C x 1<br>( only for GS module)                            |
|                  | 4G                         | Not supported                                                                                     | Not supported                                                  | Not supported                                                  |
|                  | POE                        | Yes<br>(IEEE802.3af)                                                                              | Optional<br>(IEEE802.3at) Non-isolated)                        | Not Supported, Only Power In                                   |
|                  |                            | (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                | 7.8W typical, 5W 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                                                      |                                                                |                                                                |
| 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                                                         |

## CONTACT US

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|--------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
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