



EPD-3133

Public Information Display (Digital Signage)



- > 31.2" E Ink Public Display (Monochrome)
- > Onboard Intel® Celeron® SoC BGA Processor N3350 (with CPU Bottom Mounted)
- > Single DRAM Socket, Max. Up to 8GB DDR3L 1866MHz
- > 1 x SATA III / 2 x HDMI 1.4 / 1 x COM / 2 x LAN / 4 x USB3.0
- > +19 DC Voltage Input
- > Operating temp. 0~50 degrees
- > Dual mPCIe Expansion Slot
- > TPM 2.0
- > Open frame design(full flat)
- > Option for Wi-Fi & BT function
- > P-cap touch(optional)
- > Front light module(optional)
- > VESA mount compliant(400 x 200 mm)

+ Spec

| System | |
|-----------------------------|---|
| Processor | Onboard Intel® Celeron® SoC BGA Processor N3350 (Apollo Lake Platform)- (with CPU Bottom Mounted) |
| System Chipset | Intel® Apollo Lake SoC Processor integrated Gen9 LP graphics |
| Memory | 1 x 204-Pin DDR3L 1866MTs SO-DIMM up to 8GB |
| I/O Chip | EC (IT8528VG) |
| BIOS | AMI uEFI BIOS, 128Mbit SPI Flash ROM |
| Board | ECM-APL2-B |
| Avalue EC Controller | IT8528VG |
| Hard Driver Bay | 1 x SATA III |
| Expansion | |
| Expansion | 1 x Full size Mini PCIe Supports mSATA 1 x Half size Mini PCIe |
| Storage | |
| Storage | 1 x 2.5" Drive Bay 1 x mSATA (Shared from mPCIe) |
| Panel | |
| LCD Size | 31.2" |
| LCD Panel | E Ink ED312TT3 |
| Display Type | E Paper Display |
| Resolution | H:2560 x V:1440 |
| Pixel pitch | 0.27 |
| Contrast ratio | 12 (Typ.) |
| Viewing angle | 180(U), 180(D), 180(L), 180(R) |
| Backlight | Sunlight Readable / No Backlight Required |
| Touch Type | Projective Capacitive |
| Touch Screen | P-cap touch(optional) |
| Touch Interface | USB |
| Touch Controller | EET-EXC86H80128SCAG |
| External I/O | |
| USB Port | 4 x USB 3.1 (Gen1 5Gbps) |
| Video Port | 2 x HDMI (1.4b): Max. Resolution 3840 x 2160 @ 30Hz |
| LAN Port | 2 x RJ45 LAN port (1 x Intel® I211AT/1 x Intel® I210IT, 10/100/1000 Base-Tx Gigabit Ethernet Compatible) |
| Wireless LAN Antenna | 2 x Antenna Mounting with Dust Cover(Optional) |
| Wireless LAN | mPCIe Wi-Fi/Bluetooth module(Optional) |
| I/O | |
| USB Port | 4 x USB 3.1 (Gen1 5Gbps) |
| Serial | 1x DB-9 male connector for COM1 supports RS232/422/485 (selectable by Jumper and BIOS without changing Cable, w/ Auto Flow) |
| Video | 31.2" E Paper Display (E Ink ED312TT3): H:2560 x V:1440 2 x HDMI (1.4b): Max. Resolution 3840 x 2160 @ 30Hz |
| Display | |
| Chipset | Intel® Apollo Lake SoC Processor integrated Gen9 LP graphics |
| Resolution | 31.2" E Paper Display (E Ink ED312TT3): H:2560 x V:1440 2 x HDMI (1.4b): Max. Resolution 3840 x 2160 @ 30Hz |
| Multiple Display | EPD + HDMI |
| Audio | |
| Chipset | Realtek ALC888S, supports 5.1-CH |
| Speaker Output | 2 x 2W speaker(optional, need to add AUX-031 Amplifier Board) |
| Ethernet | |
| Chipset | 1 x Intel® I211AT 1 x Intel® I210IT |



| | |
|---------------------------------------|---|
| Ethernet Interface | 10/100/1000 Base-Tx GbE compatible |
| LAN Port | 2 x RJ-45 |
| Mechanical | |
| Power Connector Type | Lockable DC Jack |
| Weight | 7kg |
| Color | Black |
| Reliability | |
| EMI Test | CE/FCC Class A |
| Operating Temperature | 0 ~ 50°C (32 ~ 122°F) |
| Operating Humidity | 0% ~ 90% Relative Humidity, Non-condensing |
| Unit Weight | 7kg |
| Storage Temperature | -20 ~ 60°C (-4 ~ 140°F) |
| Packaging Vibration Test | |
| Power Requirement | |
| DC Input | DC +19V |
| DC Input Connector | Lockable DC Jack |
| Adapter | Input: 100~240Vac/50~60Hz Output: 65W (19V/3.42A) |
| Power Type | AT/ATX |
| Mechanical & Environmental | |
| VESA | (400 × 200 mm) VESA mount compliant |
| Power Requirement | DC +19V |
| Power Mode | AT/ATX |
| Operating Temperature | 0 ~ 50°C (32 ~ 122°F) |
| Storage Temperature | -20 ~ 60°C (-4 ~ 140°F) |
| Operating Humidity | 0% ~ 90% Relative Humidity, Non-condensing |
| Dimension (W x L x H) | 750 x 445 x 36.7 mm |
| Vibration Test | With SSD/mSATA : 1.5Grms, IEC 60068-2-64, Random, 5 ~ 500Hz, 30min/axis |
| Shock Test | With CF/SSD : 10Grms, IEC 60068-2-27, Half Sine, 11ms |
| Drop Test | ISTA-2A, IEC-60068-2-32 (96.5cm) |
| Weight | 7Kgs |
| Certifications | |
| Certification Information | CE/FCC Class A |
| Software Support | |
| OS Information | Android 8.1(default) / Windows 10 IoT |

+ Ordering

EPD-3133-335-A1R (Optional RS 2 inside)
31.2" E Ink/N3350/PCAP/2LAN/4USB3/19V/TP/Landscape/Portrait