



EPD-3133

Public Information Display (Digital Signage)

- > 31.2" E Ink Public Display (Black and White)
- > 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
System 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	EETI-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	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 ALC892, 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	
Mechanical & Environmental	
VESA	(400 x 200 mm) VESA mount compliant
Power Requirement	DC +19V
Power Type	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
Weight	7Kgs
Dimension (L x W 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)
Certifications	
Certification Information	CE/FCC Class A
Software Support	
OS Information	Android 8.1(default) / Windows 10 IoT
Power Requirement	
Power Connector	Lockable DC Jack
Power Requirement	DC +19V
Power Type	AT/ATX
Adapter	Input: 100~240Vac/50~60Hz Output: 65W (19V/3.42A)

+ Ordering

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



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