

13.3 Inches Embedded Display

BA1335



- Very Wide Aspect 13.3" 1920 x 1080px
- Wide viewing angle and high brightness
- Integrated Intel Atom or ARM 4 / 6 cores CPU
- Optional protection lens or touch panel
- Fully configurable manual and automatic dimmer
- Robust and lightweight metal frame
- Wide power supply options available
- Extended operating temperature range
- LED backlight lifetime min. 50.000h

General Specification	
Size	13.3 inches
Resolution / Aspect	1920 x 1080 px
Display Area	293.5 × 165.1 mm
Inputs	USB / Ethernet
Audio	Optional Audio Output Stereo 2x1.5W / 2x5W
Cover Lens / Touch	CS Glass / Projected Capacitive Touch
Power Supply	9-36VDC / 43-160VDC / 14-160VDC
Power Consumption	20W average, 30W max.
MTBF / Lifespan	Controller and LCD: >100,000h Backlight: min. 50.000h @automatic dimmer
Warranty	36 months
Certification	R10*, e-mark* EN50155* EN45545*
Mounting Type	Wall / Roof Mount / VESA
IP	IP20, Optional front IP65
IK	IK07, Optional upto IK10
Mechanical and Environment	
Dimension	see drawing for details
Weight	<3Kg
Enclosure	Aluminum, Powder Paint
Operation Temp.	-20°C to 70°C
Operation Humidity	RH: 95% no condensation EN-60068-2-30, EN-60068-2-11: Salt Fog
Storage Temp.	-20°C to 70°C
Vibrations / Shock	2G 2-500Hz / 25G 6ms / EN60068-2-64 / EN60068-2-6 / EN60068-2-29
Optical Specification	
Brightness	400 nits, LED backlight.
Dimmer	Fully configurable Dimmer with Internal Sensor (optional)
Contrast Ratio	Min 800:1
Viewing Angle	178° H, 178° V
Response Time	25 ms
Optical Finish (Optional)	Anti-glare / Anti-reflective / None
Enhancements (Optional)	Sunlight Readable and Transflective Enhancements Available

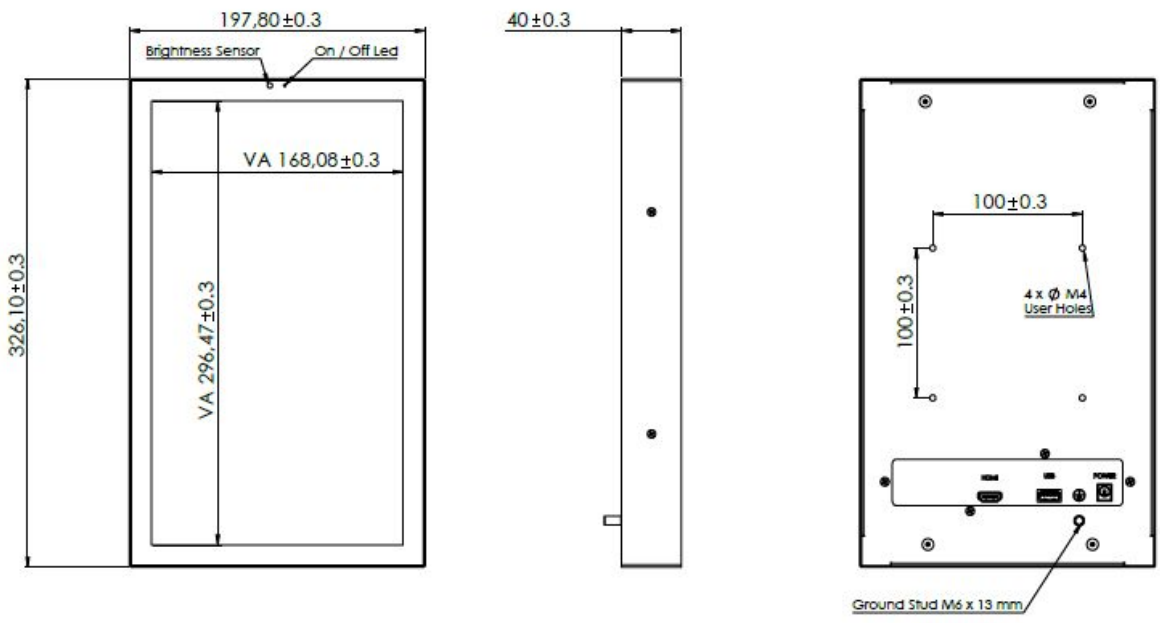
*Upon request

CPU Specification (ARM 4 cores)	
Cores	Quad-core ARM Cortex-A17
Frequency	1.8GHz
DDR	Up to 4G DDR4
Graphics	Mali-T760 MP4 GPU
Storage	Internal 8 to 16G eMMC
Watchdog	Configurable watchdog
BSP	Linux / Android
CPU Specification (Intel)	
Cores	E3815 / E3825 / E3845 / E3930 / E3930 / N3350
Frequency	1.46Ghz / 1.33Ghz / 1.91Ghz / 2.0Ghz / 2.0Ghz /2.4Ghz
DDR	Up to 8G DDR4
Graphics	Intel Graphics
Storage	Internal 8 to 32G eMMC , external C-FAST / TF
Watchdog	Configurable watchdog
CPU Specification (ARM 6 cores)	
Cores	Dual Cortex-A72 + Quad Cortex-A53 - 64-bit CPU
Frequency	2Ghz / 1.5Ghz
DDR	Up to 4G DDR4
Graphics	Mali-T860 MP4
Storage	Internal 8 to 16G eMMC
Watchdog	Configurable watchdog
BSP	Linux / Android
I/O	
Ethernet	1 x Base 10/100 (RJ45 connector)
Daisy Chan	Ethernet
USB	USB 2.0 (A Type connector)
RS232/485	Optional RS232 / RS485 Port
Digital I/O	Optional 8 Input or 4 in 4 Out
Video	Optional HDMI / Displayport Output
Audio	Optional Line In / Line Out

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Drawing



Images



Ordering Information

Model	CPU	RAM/Flash	I/O	Interfaces	Power	Brightness	Touch/Cover
BA1335HB-P00-R28-YN0-1	ARM	2G/8G	No	USB / ETH	9-36Vdc	400NITS	Capacitive

Custom Options
