

- 7 inches 16:9
- Wide viewing angle and high brightness.
- Integrated Intel Atom or Quad Core ARM CPU.
- Optional touch panel.
- Fully configurable manual and automatic dimmer.
- Slim frame.
- Wide power supply options available.
- Extended range operating temperature.
- LED backlight lifetime min. 50.000h.

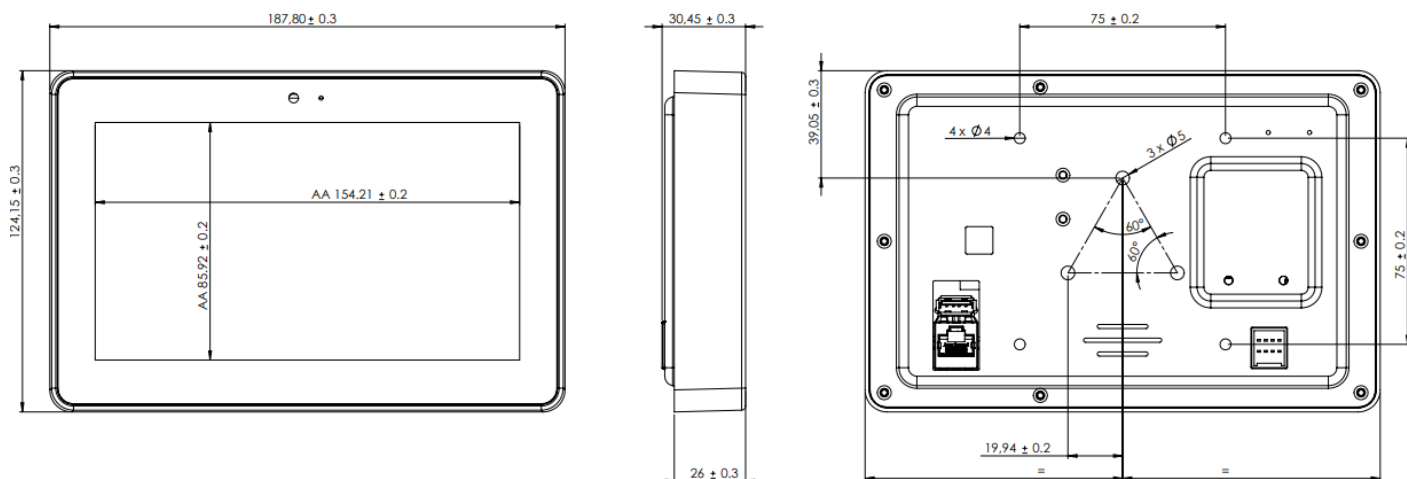


General Specification	
Size	7 inches
Resolution / Aspect	1024x600 / 16:9 / Active Area(154.2mm x 85.9mm)
Inputs	Ethernet(10/100Mbps) / WiFi (Optional)
Audio	Optional Audio Output Stereo 2x1.5W
Touch	Resistive 5 Wires / Projected Capacitive / None
Power Supply	9-36VDC / 43-160VDC / 14-160VDC
Power Consumption	15W
MTBF / Lifespan	Controller and LCD: 100.000h Backlight lifetime min.50000h MTBF (auto-dimmer mode): 70000h
Warranty	24 months
Certification	ECE-R10, eMark*
Mounting Type	Stand Alone, VESA75
IP	IP42 (IP65 Optional)
Mechanical and Environment	
Dimensions	(see drawing for details)
Weight	0.75 Kg
Enclosure	Plastic / Aluminum
Operation Temp.	-20°C to 70°C
Storage Temp.	-30°C to 85°C
Vibrations / Shock	1G 2-500Hz / 10G 11ms
Optical Specification	
Brightness	500 nits, LED backlight.
Dimmer	Fully configurable Dimmer with Internal Sensor (optional) and External Sensor (optional)
Contrast Ratio	800:1
Viewing Angle	170° H, 170° V
Response Time	16 ms
Optical Finish (optional)	Anti-glare / Anti-reflective / None
Enhancements (Optional)	Sunlight Readable and Transflective Enhancements Available

* Pending Registration

CPU Specification (ARM)	
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 , external TF/SD
Watchdog	Configurable watchdog
CPU Specification (Intel)	
Cores	E3815 Single Core / E3825 Dual Core / E3845 Quad Core
Frequency	1.46Ghz / 1.33Ghz / 1.91Ghz
DDR	Up to 4G DDR4
Graphics	Intel Graphics
Storage	Internal 8 to 16G eMMC , external C-FAST / TF
Watchdog	Configurable watchdog
I/O	
Ethernet	1 x Base 10/100, Optional Gigabit, M12 Connector D Coded
USB	USB 2.0 x 1 Type A
Ignition	Integrated digital input for IGN control
RS232/485	RS232 / RS485 Port (M12 Connector)
Digital I/O	8 Input or 4 in 4 Out optional
Video	Optional DVI / HDMI Output
Audio	Optional Line In / Line Out

Drawing



Images



Ordering Information							
Model	CPU	RAM/Flash	I/O	Interfaces	Power Supply	Brightness	Touch/Cover
ED700HB-G30-R28-CNDB-1	4 Cores	2G / 8G	IGN	ETH MiniPCle	9-36VDC	500 nits	3mm Glass
Custom Options							
CANBUS							
4G							
GPS							