

ES-2106/2206

6.5" Open Frame and Rugged Panel Mount Monitor



Features

- 6.5" LCD supports 640 x 480 pixels and wide operating temperature (-0 ~ 50° C)
- Resistive touch screen and tempered glass options
- Capacitive touch solution (optional)
- Versatile mounting brackets
- Modular architecture for efficient integration
- Sunlight readable (optional)
- Ultra-high brightness up to 1200 cd/m2 with LED backlight technology (optional)
- Rugged aluminum front bezel design (ES-2206)
- VGA interface

Introduction

The Advantech ES-2106/2206 Embedded Open Frame and Rugged Panel Mount Monitor series offer flexible options for LCD panel, touch screen, signal interface and chassis mounting. The series supports panel and VESA mounting, and is supplied with four versatile mounting brackets for different integration applications. The Advantech Display Solutions Selection Wizard (<http://www.advantech.com.tw/ePlatform/DS/DisplaySolution.asp>) enables easy selection of model numbers by choosing the required options.

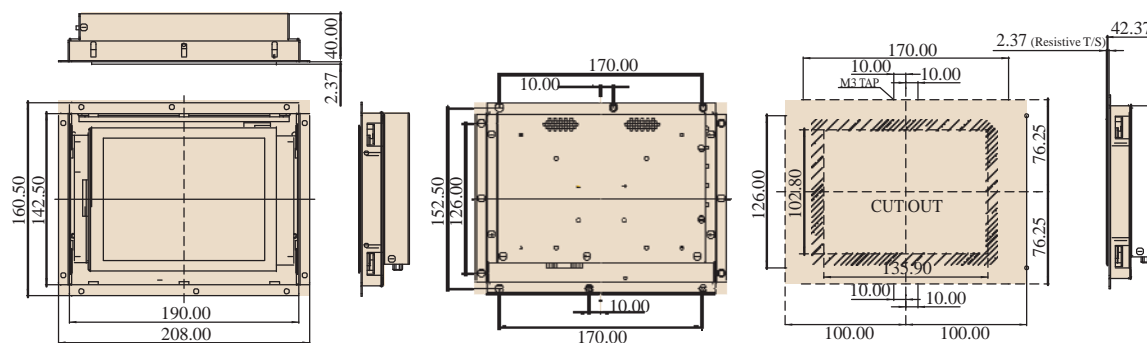
Specifications

Processor System	I/O Ports	15-pin D-sub, DC power input, RS-232 port, Power Switch and OSD keys (Auto-tune, menu, decrease, increase)	
	Display Input Signal	Analog RGB, 0.7 VP-P / 75 Ohm, optional LVDS	
	Multi-Scan Mode	Multi-Scan Mode supports VGA, SVGA	
	OSD Control	Keys: Auto-tune, menu, decrease and increase Functions: Brightness, Contrast, Clock, Phase, Horizontal Position, Vertical Position and Sharpness	
	Power	External 48 W power adapter, with AC 100 ~ 230 V input and DC +12 V @ 4 A output	
	Dimensions (W x H x D)	Please refer to the product dimension diagram on next page	
	Weight	ES-2106: 1.5 kg ES-2206: 1.8 kg	
Environment	Operating Temperature	-0 ~ 50° C	
	Storage Temperature	-0 ~ 50° C for standard LCDs	
	Humidity	5 ~ 95% @ 40° C, non-condensing	
	Shock	10 G peak acceleration (11 ms duration)	
Display	ROHS compliance		
	Feature	Standard	
	Size	6.5"	
	Resolution (pixels)	640 x 480 VGA	
	Number of Colors	16.2 M	
	Viewing Angle (L/R/U/D)	80°/80°/70°/70°	
	Brightness (cd/m2)	800(typ.)	
	Contrast Ratio	600:1	
	Response Time (ms)	25	
	Lamp Life (hrs)	50,000	
	Long-term Support	Yes	
Touchscreen	Anti-reflection	N/A	
	Type	Analog Resistive	Capacitive
	Thickness	1.87 mm	3.18 mm
	Resolution	continuous	1024 x 1024
	Light Transmission	over 80%	85%
	Controller Interface	RS232/USB	RS-232
	Power Consumption	+5 V @ 20 mA	+5 V @ 100 mA
	Durability (Touches)	36 million hrs	225 million hrs
	Driver OS Support	DOS, Linux, Mac, Windows 95/98/NT/ME/CE/2000/XP	

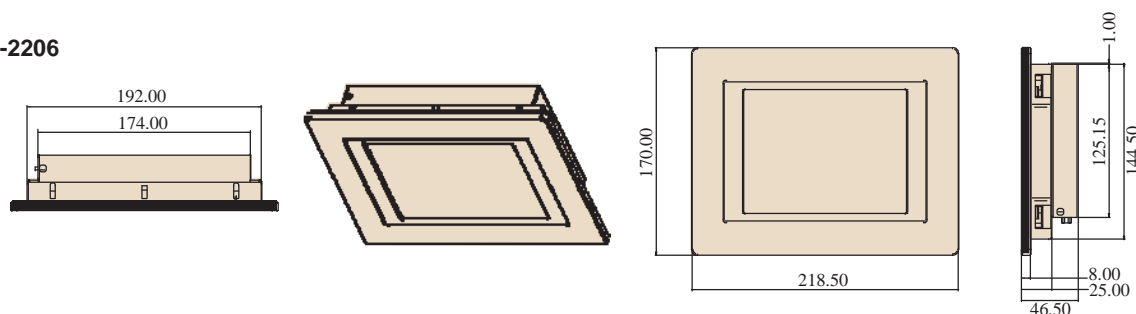
Dimensions

Unit: mm

ES-2106



ES-2206



Ordering Information

P/N	Type	Brightness (cd/m ²)	Interface	Touchscreen	Touch Interface	Anti-Reflection
ES-2106G-VVAE	Open Frame	800	VGA	Tempered Glass	N/A	N/A
ES-2106R-VVAE	Open Frame	800	VGA	4-Wire Resistive	RS-232	N/A
ES-2206R-VVAE	Rugged panel mount	800	VGA	4-Wire Resistive	RS-232	N/A

Notes:

- 1.) Capacitive touch panels are recommended for applications requiring sunlight readable outdoor solutions.
- 2.) The list above is of major part numbers for your reference. Other combinations of LCD, touchscreen and signal interface features can be found in the Advantech Display Solutions. The Selection Wizard (<http://www.advantech.com.tw/ePlatform/DS/DisplaySolution.asp>) or CTOS services can be used to get your demand configuration and part numbers to us for ordering.
- 3.) For special requests, we welcome you to use the Display Solution DTOS service.