ES-2115/2215

15" Open Frame and Rugged Panel Mount Monitor

NEW

ES-2115   ES-2215

RoHS COMPLIANT 2002/95/EC   CE   FCC

Features

- 15" LCD supports 1024 x 768 pixels and wide operating temperature (-0 ~ 50° C)
- Resistive, Capacitive, SAW or IR touchscreen and 3 mm tempered glass options
- Versatile mounting brackets
- Modular architecture for efficient integration
- Special back cover designed for 3.5" / 5.25" SBCs and ARK-1000 / 3000 / 4000 series box computers
- Sunlight readable option
- Ultra-high brightness up to 1000 nit with LED backlight technology option
- Rugged aluminum front bezel design (ES-2215)
- VGA or LVDS interface (S-Video optional)

Introduction

The Advantech ES-2115/2215 Embedded Open Frame and Rugged Panel Mount Monitor series offer flexible options for LCD, touchscreen, signal interface and chassis mounting. The back cover has mounting holes for industry standard 3.5" and 5.25" SBCs; Advantech DSA-2100 and DSA-3300 Digital Signage Players; DVS-350 Digital Video Platforms; and ARK-1000, ARK-3000 and ARK-4000 series Embedded Box Computers. 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/dsw.aspx) enables easy selection of model numbers by choosing the required options.

Specifications

- **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 0hm, 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** — 50 W power adapter, with AC 100 ~ 240 V input and DC +12 V @ 4.16 A output
- **Dimensions (W x H x D)** Please refer to the product dimension diagram on next page
- **Weight** — ES-2115: 3.8 kg
  ES-2215: 4.5 kg

Environment

- **Operating Temperature** -0 ~ 50° C (32 ~ 122° F)
- **Storage Temperature** -20 ~ 60° C (-4 ~ 140° F) for standard LCDs
- **Humidity** 5 ~ 95% @ 40° C, non-condensing
- **Shock** 10 G peak acceleration (11 ms duration)
- **EMC Approved** CE FCC

Display

NEW   **NEW**

Feature	Standard / (OEM)	Sunlight Readable	Ultra-high Brightness
Size	15"	15"	15"
Resolution (pixels)	1024 x 768 XGA	1024 x 768 XGA	1024 x 768 XGA
Number of Colors	262K	262K	262K
Viewing Angle (L/R/U/D)	60°/60°/40°/60°	70°/70°/70°/50°	60°/60°/35°/65°
Brightness (nit)	350	550	1000
Contrast Ratio	500:1	500:1	500:1
Response Time (ms)	12	12	12
Lamp Life (hrs)	50,000	50,000	50,000
Long-term Support	Yes	Yes	Yes
Anti-reflection	N/A	Yes	Yes

Touchscreen

| Type	Analog Resistive	Capacitive	SAW	Infrared
Thickness	3.48 mm	3.18 mm	2.7 mm	3.0 mm
Resolution	4096 x 4096	1024 x 1024	4096 x 4096	4096 x 4096
Light Transmission	80%	85%	92%	92%
Controller Interface	RS-232/USB	RS-232	RS-232/USB	RS-232/USB
Power Consumption	+5 V @ 200 mA	+5 V @ 100 mA	+5 V @ 75 mA	+5 V @ 150 mA
Touch Lifetime	35 million hrs	225 million hrs	50 million hrs	MTBF 100,000 hrs
Driver OS Support	DOS, Linux, Mac, Windows 95/98/NT/ME/CE/2000/XP			

Dimensions

Unit: mm

ES-2115 CUT OUT
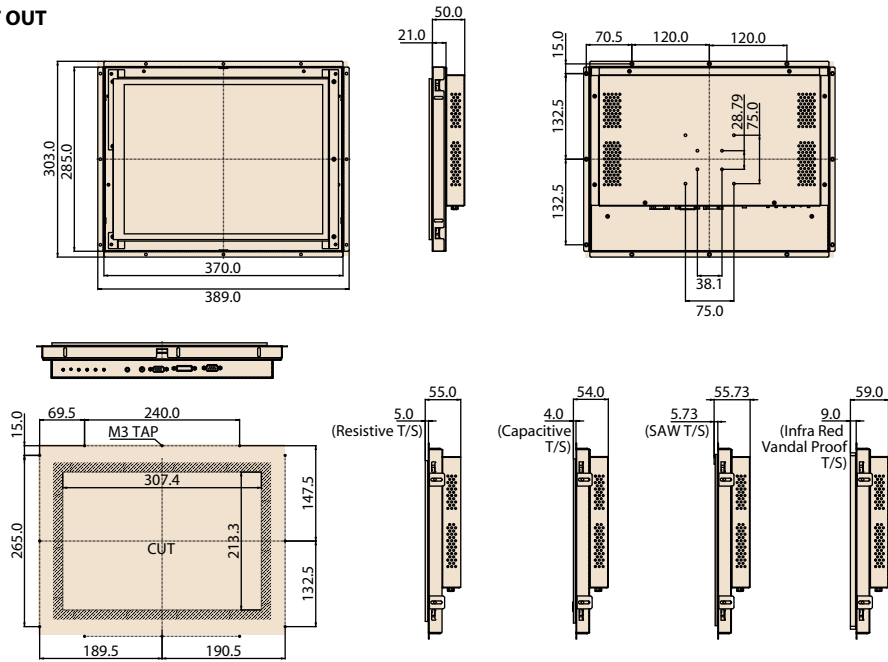
ES-2215
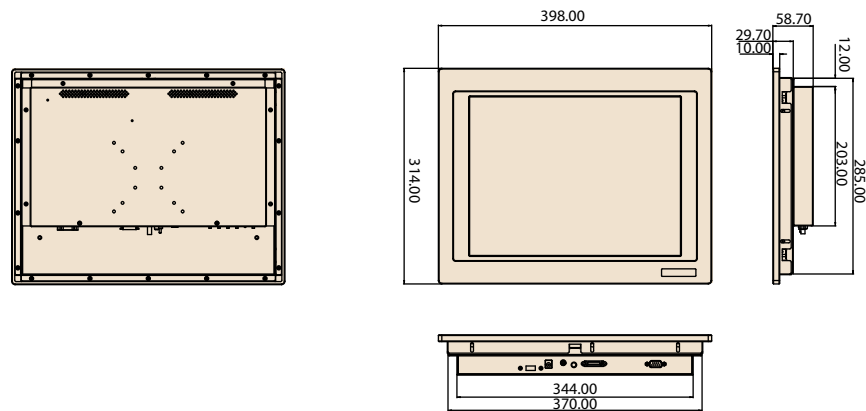
Ordering Information

Part No.	Type	Brightness (nit)	Interface	Touchscreen	Touch Interface	Anti-reflection
ES-2115G-VXAE	Open Frame	350	VGA	Tempered Glass	N/A	N/A
ES-2115R-VXAE	Open Frame	350	VGA	5 wire Resistive	RS232/USB	N/A
ES-2115C-VXAE	Open Frame	350	VGA	Capacitive	RS232	N/A
ES-2115R-LXAE-05	Open Frame	350	LVDS	5 wire Resistive	RS232/USB	N/A
ES-2215R-VXAE	Rugged Panel Mount	350	VGA	5 wire Resistive	RS232/USB	N/A
ES-2215C-VXA-SRE	Rugged Panel Mount	550	VGA	Capacitive	RS232	Yes
ES-2115V-VXA-HE	Open Frame	1000	VGA	Infrared	RS232/USB	Yes

Notes:
(1) Capacitive, SAW and Infrared touch panels are recommended for use with sunlight readable outdoor solutions.
(2) The above list shows major part numbers for your reference. Please refer to the Advantech Display Solutions Selection Wizard
 (http://www.advantech.com.tw/ePlatform/DS/dsw.aspx) or CTOS to find part numbers and order your desired combination of LCD, touchscreen and signal interface.
(3) Please use Display Solutions DTOS for special requirements.