

RXi – Industrial Monitor

The Definitive Industrial Display Experience

To succeed in an outcome-driven world, businesses must operate faster and leaner, while being increasingly connected with both local and global data. At Emerson, we've reimagined automation architecture to help you thrive in today's demanding business environment. This architecture ensures that relevant information is readily available to operators, so they can make the best decisions in real time. Highlighting this reimagined architecture, Emerson has gone back to the drawing board to create the "Definitive Industrial Display Experience". The result is the RXi – Industrial Monitor display portfolio with multiple options of modular screens to maximize flexibility, performance, and durability.

Modularity and Flexibility

The RXi – Industrial Monitor portfolio ranges from 7" to 24" screens in a widescreen format, with 7" and 15" models available with outdoor Sunlight Readable (SLR) screens. The modular nature of the unit offers a substantial amount of flexibility in configuring your RXi – Industrial Monitor. You can easily swap an indoor screen for an outdoor screen, change screen sizes, or replace a damaged screen, while utilizing the same backing module. Recognizing that effective processes requires proper visualization, the RXi – Industrial Monitor portfolio offers more capabilities than ever. With the included Display Port-In and Display Port-Out on every industrial monitor, you can take advantage of MST Daisy Chaining to simplify your architecture.

Designed for Visualization

The RXi – Industrial Monitor approaches visualization with precision in mind. The multitouch, projective capacitive screens use high resolution, vivid graphical capabilities and quick response times ensuring that relevant information is readily available to both see and interact with. This enables operators to make quicker and smarter decisions utilizing a high-performance platform that lowers total cost of ownership.



Anytime, Anywhere: A Range of Applications

This portfolio has offerings which effectively operate in temperatures as high as 65°C and as low as -20°C. Modules can be implemented outdoors with available Sunlight Readable (SLR) UV rated screens. The RXi – Industrial Monitor has screens that meet the rigorous IP66 certification which protects against dust, moisture, and even direct water jets. The RXi – Industrial Monitor provides you with a solution that is designed to go where you need it to.

Display Technology: Designed to Maximize UX

The RXi – Industrial Monitor takes industrial displays into today's connected world, by combining design, durability, and power in an ultra-slim package perfect for the factory floor. A sleek and powerful user experience (UX) connects people and machines with the latest in touchscreen technology and widescreen displays. The capacitive, multitouch screens can be used while wearing personal protective equipment and are as sensitive as the latest smartphone. Furthermore, the outdoor rated Sunlight Readable (SLR) screens provide brightness ratings nearly double that of the brightest smart devices. The optically bonded screens feature UV protection which vastly reduces reflections and glare, providing operators with vivid, clear images for a more complete and enhanced process visualization.

Specifications

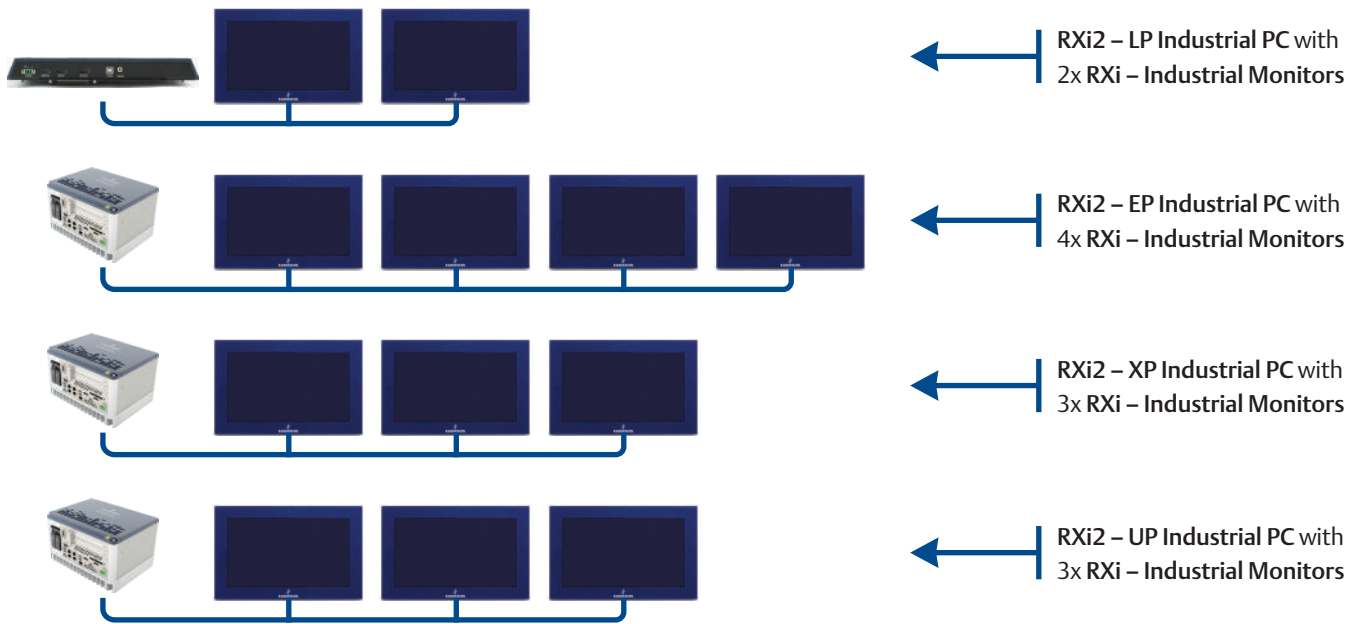
	Size (inch)	7"	10"	12"	15"	19"	24"	
Display	Resolution	1024 x 600 WSVGA	1280 x 800 WXGA		1920 x 1080 Full HD			
	Format†	Widescreen (16:0)	Widescreen (16:10)		Widescreen (16:9)			
	Orientation	Landscape						
	Reading Angle (°)	150 (H) / 145 (V)	170 (H) / 170 (V)	176 (H) / 176 (V)	170 (H) / 170 (V)	178 (H) / 178 (V)		
	Display Off-Color	Black						
	Contrast	800:1		1000:1		800:1	1000:1	5000:1
	Brightness (cd/m2)	500		400		450	350	300
	Brightness with Outdoor SLR Screen (cd/m2)	1000				N/A		
	MTBF Backlighting	50 000 h (at 25°C)						
Touchscreen	Technology	Projected Capacitive Touch (PCT/PCAP)						
	Touch Sensor	Multi-touch (Ten-Point)						
Interfaces	Port 1	1 x HDMI-In						
	Port 2	1 x Display Port-In						
	Port 3	1 x Display Port-Out (MST - Daisy Chain)						
	Port 4	1 x USB Input (For Touch)						
Status Indicators	Front Bezel Tri-color LED	Amber/Green/Red						
Power-Supply	Voltage [V]	+24VDC ±20% (19.2 V to 28.8 V, 3-Pin Connector) Isolated						
Power Consumption	Maximum Wattage (W)	5 W	11 W	17 W	15 W	22 W	30 W	
Protection-Class	Front-Side	IP66 (When Installed to a Wall/Panel)						
	Back-Side	IP20						
Design	Housing	Aluminum Die Casting (Front)						
Environment	Operating Temperature	-20°C to +65°C						
	Storage Temperature	-30°C to +70°C						
	Operating Humidity	85% RH (non- condensing) @ 30°C						
	Operating Altitude	10000 ft. (3.000 m)						
	Vibration	1Grms / 5 ~ 500Hz (Random) / Operation IEC 60068-2-64 10G peak acceleration (11 msec. duration)/operation IEC 60068-2-27						
Compliance	Certifications	UL and cUL 62368, UL and cUL 61010, IECCE CB Scheme						
		UL TYPE 4 & 4X, IP66 (ANSI/IEC 60529)						
		CE (EN 62368, EN 61000-6-4, 61000-6-2)						
		FCC Part15 Class A						
		RoHS						
		UL Listed US/CAN Hazardous Locations: Class 1 Division 2, Class 2 Division 2, Class 3 Division 1						
		ATEX Zone 2/22 & IECEx						
		Marine: ABS, BV, LR, DNV GL						
Mounting	Panel Cutout Dimensions (W x H, mm)	183.5 x 128.5	255.5 x 174	317 x 214.5	398 x 245.5	482 x 297	581 x 360	
	VESA Mounting	75 x 75		100 x 100				
	Hardware Included	Mounting Clamps and Allen Screws						
Physical Specification	Net Weight (kg)	2.0	2.6	3.8	5.1	6.9	9.0	
	Dimensions (W x H x D, mm)	192 x 137 x 65	267 x 186.2 x 65	329.1 x 226.8 x 66	410.2 x 257.6 x 65	500 x 315 x 70	600 x 382 x 71	

† For opportunities regarding traditional 4:3 aspect ratio screens, please contact your local Emerson representative.

Display Architecture Options

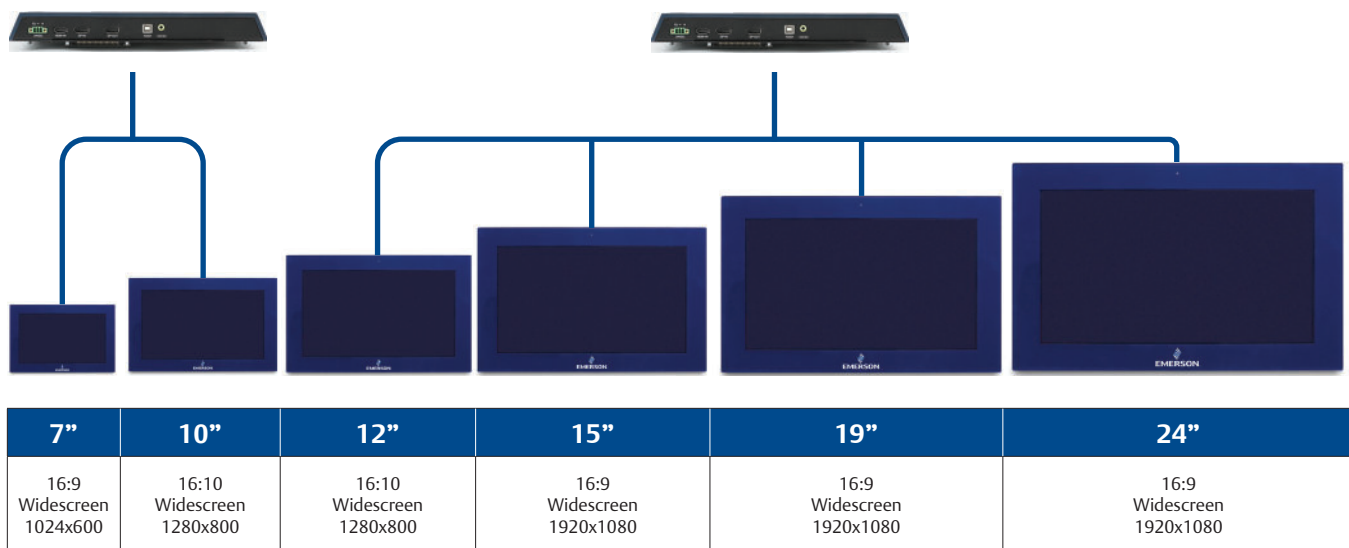
RXi – Industrial Monitors can be MST Daisy-Chained together using the included Display Port In and Display Port Out. The number of RXi – Industrial Monitors that can be MST Daisy-Chained is determined by the graphical capability of the attached hardware.

The graphics below demonstrate the possible configurations with each of the RXi2 Industrial PCs:

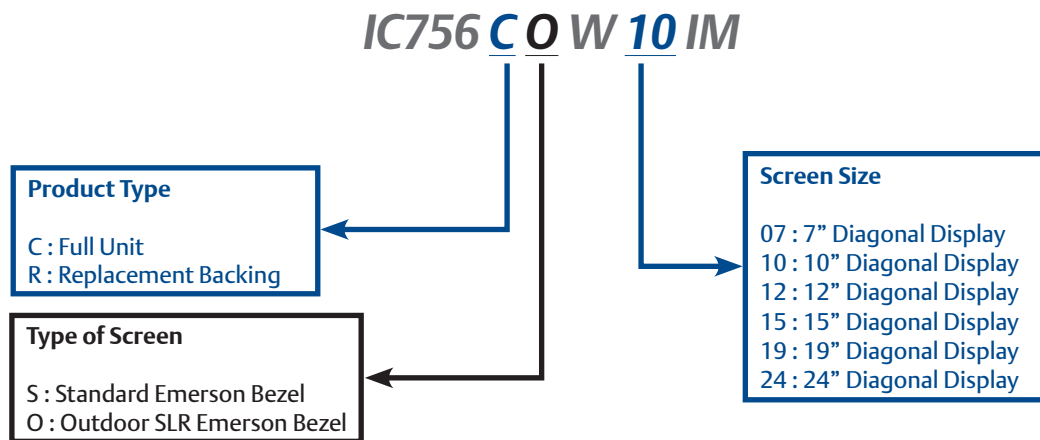


RXi – Industrial Monitor small backing module and compatible screens

RXi – Industrial Monitor large backing module and compatible screens



Understanding the Part Numbers



Example: IC756COW 10 IM
10" RXi – Industrial Monitor, Outdoor Sunlight Readable Bezel

Ordering Information

Complete Units

Part Number	Description
IC756COW07IM	07" RXi - Industrial Monitor - Emerson Bezel Display Port In and Out, Audio In & Out, Outdoor SLR Widescreen
IC756COW10IM	10" RXi - Industrial Monitor - Emerson Bezel Display Port In and Out, Audio In & Out, Outdoor SLR Widescreen
IC756COW12IM	12" RXi - Industrial Monitor - Emerson Bezel Display Port In and Out, Audio In & Out, Outdoor SLR Widescreen
IC756COW15IM	15" RXi - Industrial Monitor - Emerson Bezel Display Port In and Out, Audio In & Out, Outdoor SLR Widescreen
IC756CSW07IM	07" RXi - Industrial Monitor - Emerson Bezel Display Port In and Out, Audio In & Out, Widescreen
IC756CSW10IM	10" RXi - Industrial Monitor - Emerson Bezel Display Port In and Out, Audio In & Out, Widescreen
IC756CSW12IM	12" RXi - Industrial Monitor - Emerson Bezel Display Port In and Out, Audio In & Out, Widescreen
IC756CSW15IM	15" RXi - Industrial Monitor - Emerson Bezel Display Port In and Out, Audio In & Out, Widescreen
IC756CSW19IM	19" RXi - Industrial Monitor - Emerson Bezel Display Port In and Out, Audio In & Out, Widescreen
IC756CSW24IM	24" RXi - Industrial Monitor - Emerson Bezel Display Port In and Out, Audio In & Out, Widescreen

Replacement Backing

Part Number	Description
IC756ROW07IM	Replacement Back for 7" RXi - Industrial Monitor - Emerson Bezel Display Port In and Out, Audio In & Out, Outdoor SLR Widescreen
IC756ROW10IM	Replacement Back for 10" RXi - Industrial Monitor - Emerson Bezel Display Port In and Out, Audio In & Out, Outdoor SLR Widescreen
IC756ROW12IM	Replacement Back for 12" RXi - Industrial Monitor - Emerson Bezel Display Port In and Out, Audio In & Out, Outdoor SLR Widescreen
IC756ROW15IM	Replacement Back for 15" RXi - Industrial Monitor - Emerson Bezel Display Port In and Out, Audio In & Out, Outdoor SLR Widescreen
IC756RSW07IM	Replacement Back for 7" RXi - Industrial Monitor - Emerson Bezel Display Port In and Out, Audio In & Out, Widescreen
IC756RSW10IM	Replacement Back for 10" RXi - Industrial Monitor - Emerson Bezel Display Port In and Out, Audio In & Out, Widescreen
IC756RSW12IM	Replacement Back for 12" RXi - Industrial Monitor - Emerson Bezel Display Port In and Out, Audio In & Out, Widescreen
IC756RSW15IM	Replacement Back for 15" RXi - Industrial Monitor - Emerson Bezel Display Port In and Out, Audio In & Out, Widescreen
IC756RSW19IM	Replacement Back for 19" RXi - Industrial Monitor - Emerson Bezel Display Port In and Out, Audio In & Out, Widescreen
IC756RSW24IM	Replacement Back for 24" RXi - Industrial Monitor - Emerson Bezel Display Port In and Out, Audio In & Out, Widescreen

United State Office

Emerson Automation Solutions
Intelligent Platforms, LLC
2500 Austin Dr
Charlottesville, VA

Singapore Office

Emerson Automation Solutions Intelligent
Platforms Asia Pacific Pte. Ltd.
1 Pandan Cres,
Singapore, 128461

Brazil Office

Emerson Automation Solutions
Av. Hollingsworth, 325 – Iporanga
Sorocaba – SP, 18087-105

China Office

Emerson Automation Solutions Intelligent
Platforms (Shanghai) Co., Ltd
No.1277, Xin Jin Qiao Rd, Pudong,
Shanghai, China, 201206

Germany Office

Emerson Automation Solutions
ICC Intelligent Platforms GmbH
Memminger Straße 14
Augsburg, Germany 86159

India Offices

Emerson Automation Solutions
Intelligent Platforms Pvt. Ltd.,
Building No.8, Ground Floor
Velankani Tech Park, No.43
Electronics City Phase I, Hosur Rd
Bangalore-560100

Americas Support – Technical and Commercial

Phone: 1-888-565-4155 or 1-434-214-8532 (if toll free 800 option is unavailable)

Email for Technical Support: support.mas@emerson.com

Email for Commercial Support: customercare.mas@emerson.com

Primary language of support: English

Europe, Middle East, & Africa Support – Technical and Commercial

Phone: +800-4-444-8001

or +420-225-379-328 (if toll free 800 option is unavailable or dialing from a mobile telephone)

Email for Technical Support: support.mas.emea@emerson.com

Email for Commercial Support: customercare.emea.mas@emerson.com

Primary languages of support: English, German, Italian, Spanish

Asia Support – Technical and Commercial

Phone: +86-400-842-8599 for Greater China

+65-6955-9413 (All Other Countries)

Email for Technical Support: support.mas.apac@emerson.com

Email for Commercial Support Asia: customercare.cn.mas@emerson.com

Primary languages of support: Chinese, English

Support Website: www.emerson.com/iac-support

Home Website: www.Emerson.com/industrial-automation-controls

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