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 12" to 24" screens in a widescreen format, with 12" 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 products that meet the most rigorous of certifications and IP66 rated screens that protect 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 more complete and enhanced process visualization.
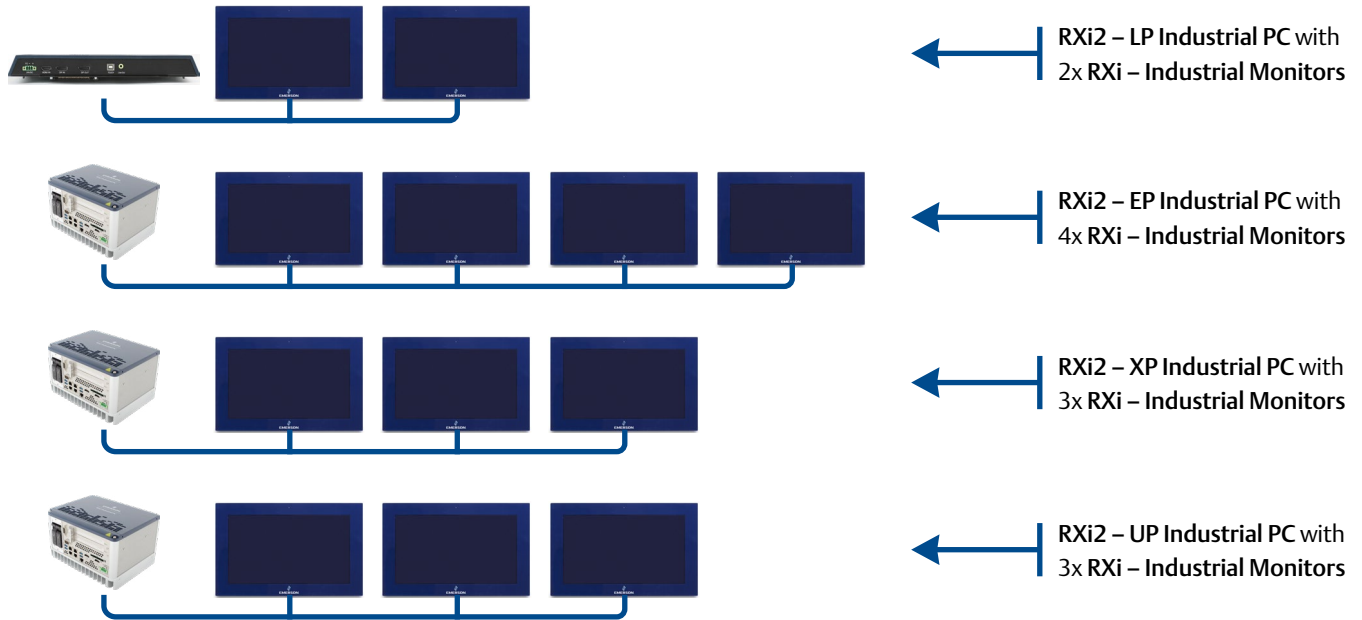
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Specifications

	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					
	Port 4	(MST - Daisy Chain)					
	Port 5	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					
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 f t. (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, IECEE 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.
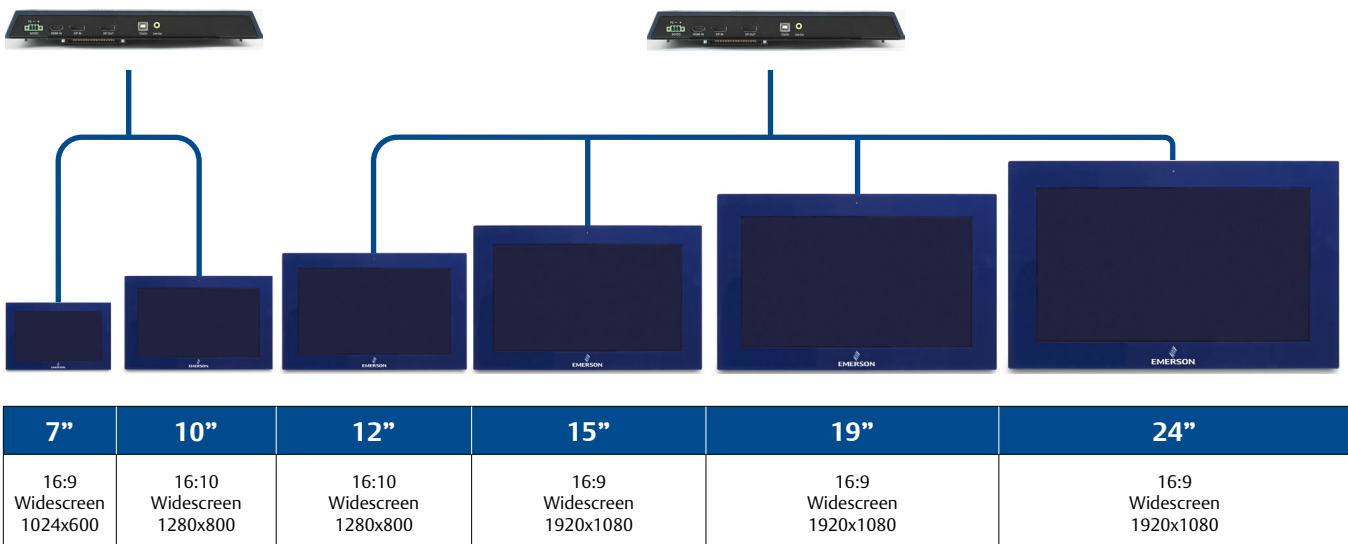
Display Architecture Options

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:

RXi2 – LP Industrial PC with 2x **RXi – Industrial Monitors**

RXi2 – EP Industrial PC with 4x **RXi – Industrial Monitors**

RXi2 – XP Industrial PC with 3x **RXi – Industrial Monitors**

RXi2 – UP Industrial PC with 3x **RXi – Industrial Monitors**

RXi – Industrial Monitor small backing module and compatible screens

RXi – Industrial Monitor large backing module and compatible screens

7"	10"	12"	15"	19"	24"
16:9 Widescreen 1024x600	16:10 Widescreen 1280x800	16:10 Widescreen 1280x800	16:9 Widescreen 1920x1080	16:9 Widescreen 1920x1080	16:9 Widescreen 1920x1080

Ordering Information

Complete Units

Part Number	Description
IC756CSW07IM	7" 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
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

Backing Modules

Part Number	Description
IC756CONVS	RXi - Industrial Monitor Audio/Video box for 7" and 10"
IC756CONVL	RXi - Industrial Monitor Audio/Video box for 12" through 24"

SCREENS

Part Number	Description
IC758CSW07SCREEN	7" RXi / QuickPanel-XP Screen Only, Widescreen, Indoor, Emerson Bezel
IC758COW07SCREENSLR	7" RXi / QuickPanel-XP Screen Only, Widescreen, Outdoor SLR, Emerson Bezel
IC758CSW10SCREEN	10" RXi / QuickPanel-XP Screen Only, Widescreen, Indoor, Emerson Bezel
IC758COW10SCREENSLR	10" RXi / QuickPanel-XP Screen Only, Widescreen, Outdoor SLR, Emerson Bezel
IC758CSW12SCREEN	12" RXi / QuickPanel-XP Screen Only, Widescreen, Indoor, Emerson Bezel
IC758COW12SCREENSLR	12" RXi / QuickPanel-XP Screen Only, Widescreen, Outdoor SLR, Emerson Bezel
IC758CSW15SCREEN	15" RXi / QuickPanel-XP Screen Only, Widescreen, Indoor, Emerson Bezel
IC758COW15SCREENSLR	15" RXi / QuickPanel-XP Screen Only, Widescreen, Outdoor SLR, Emerson Bezel
IC758CSW19SCREEN	19" RXi / QuickPanel-XP Screen Only, Indoor, Widescreen, Emerson Bezel
IC758CSW24SCREEN	24" RXi / QuickPanel-XP Screen Only, Indoor, Widescreen, Emerson Bezel

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