

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

With the highest of temperature and environmental ratings,

the RXi – Industrial Monitor is designed to last in various harsh conditions. 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.

Figure 1: Front Panel



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.

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, use 28-14AWG (0.2-1.5mm ²) wire rated 90C, 1.7 in-lbs (0.19Nm) torque) | | | | | | |
| 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, IEC EE 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 | | | | | | |
| | Certifications Coming Q4 2019 | UL Listed US/CAN, Hazardous Locations: Class 1 Division 2, Class 2 Division 2, Class 3 Division 1 | | | | | | |
| | | ATEX Zone 2/22 & IEC EX | | | | | | |
| Marine; DNV, ABS, BV | | | | | | | | |
| Mounting | Panel Cutout Dimensions (W x H) | 183.5 x 128.5 mm | 255.5 x 174 mm | 317 x 214.5 mm | 398 x 245.5 mm | 482 x 297 mm | 581 x 360 mm | |
| | VESA Mounting | 100 x 100 | | | | | | |

| | Size (inch) | 7" | 10" * | 12" * | 15" * | 19" | 24" |
|------------------------|------------------------|----------------------------------|---------------------|-----------------------|-----------------------|-------------------|-------------------|
| | 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) | 192 x 137 x 65 mm | 267 x 186.2 x 65 mm | 329.1 x 226.8 x 66 mm | 410.2 x 257.6 x 65 mm | 500 x 315 x 70 mm | 600 x 382 x 71 mm |

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. All RXi – Industrial Monitors ship with a 6’ DisplayPort cable and 6’ USB cable for extended touch screen capability 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:

Figure 2: Display Architecture

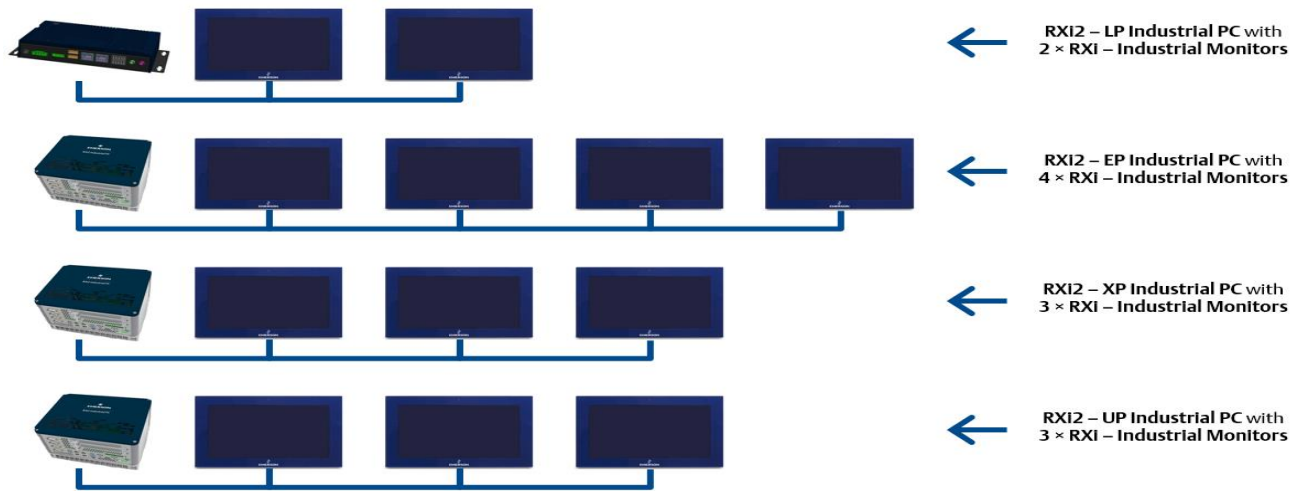
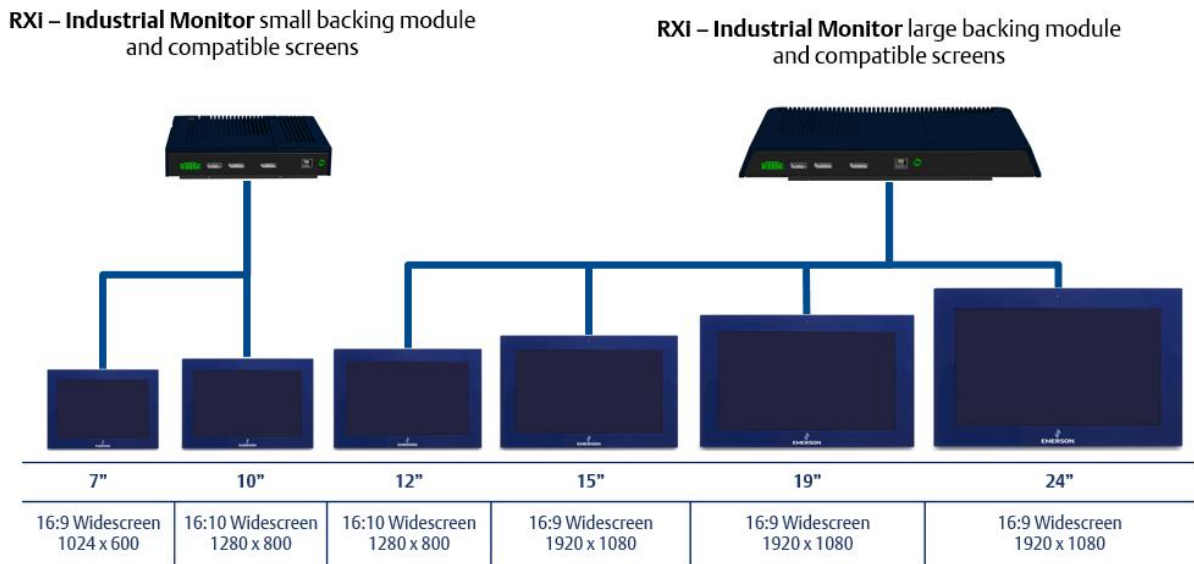


Figure 3: Industrial Monitor with Backup Module



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 |

Ordering Information – 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" |

Ordering Information – 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 |

Contact Information:

North & South America

2500 Austin Drive
Charlottesville, VA 22911
T +1 800 433 2682
T +1 434 978 5100

18703 GH Circle
PO Box 508
Waller, Texas 77484
USA
T +1 281 727 5300

2500 Park Avenue West
Mansfield, Ohio 44906
USA
T +1 419 529 4311

9009 King Palm Drive
Tampa , Florida 33619
USA
T +1 813 630 2255

4112-91A Street
Edmonton, Alberta T6E5V2
Canada
T +1 780 450 3600

Av. Hollingsworth,325
Iporanga
Sorocaba, SP 18087-105
Brazil
T +55 15 3238 3788

Europe

Asveldweg 11
7556 BT Hengelo(O)
The Netherlands
T +31 74 256 1010

Siemensring 112
D-47877 Willich
Germany
T +49 2154 499 660

30/36 Allee du Plateau
93250 Villemomble
France
T +331 48 122610

6 Bracken Hill
South West Industrial Estate
Peterlee, Co Durham
SR82LS, United Kingdom
T +44 191 518 0020

3 Furze Court
114 Wickham Road
Fareham, Hampshire
PO167SH ,United Kingdom
T +44 132 984 8900

Via Montello 71/73
20038 Seregno
Italy
T +39 0362 2285207

Selska cesta 93
10000 Zagreb
Croatia
T +385 913654292

ul. Konstruktorska str 11A
02-673 Warsaw
Poland
T +48 22 4589237

Hungári körút 166-168
H-1146 Budapest
Hungary
T +36 14624034

Hajkova 2747/22
130 00 Praha 3
Czech Republic
T +42 2 81002666

Zelezniarska 13
811 04 Bratislava
Slovakia
T +42 1252442071

Blegistrasse 21,
P.O. Box 1046
CH 6341 Baar
Switzerland
T +41 (41) 7686215

2-4, Gara Herastrau St.
District 2, Nova Building,
5th floor 020334 Bucharest
Romania
T +40 212062506

Icerenkoy MAH. Topcu Ibrahim Sk.
No:13 K:4 Icerenkoy
Istanbul, Turkey
T +90 2165739848408

Middle East & Africa

2 Monteer Road, Isando
Kempton Park, 1600
South Africa
T +27 11 974 3336

PO Box 17033
Jebel Ali Free Zone
Dubai,
United Arab Emirates
T +971 4883 5235

Asia Pacific

19, Kian Teck Crescent,
Singapore 628885
T +65 6501 4600

471 Mountain Highway
Bayswater, Victoria 3153
Australia
T +61 3 9721 0200

9/F Gateway Building
No.10 Ya Bao Road
Chaoyang District
Beijing, P.R. China
T +86 10 5821 1188

No 15 Xing Wang Road
Wuqing Development Area
Tianjin 301700
P.R. China
T +86 22 8212 3300

Lot 13112, Mukim Labu,
Kawasan Perindustrian Nilai
71807 Nilai, Negeri Sembilan
Malaysia
T +60 6 799 2323

Delphi B Wing, 601 & 602
6th Floor, Central Avenue
Powai, Mumbai 400076
India
T +91 22 6662 0566

NOF Shinagawa Konan Building
1-2-5, Higashi-shinagawa
Shinagawa-Ku, Tokyo
140-0002 Japan
T +81 3 5769 6873

Please visit our website for up to date product data.

www.Emerson.com

All Rights Reserved.

We reserve the right to modify or improve the designs or specifications of the products mentioned in this manual at any time without notice. Emerson does not assume responsibility for the selection, use or maintenance of any product. Responsibility for proper selection, use and maintenance of any Emerson product remains solely with the purchaser.

©2019 Emerson Electric Co.

