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EXT2 SERIES

Faster. Easier. Smarter.

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EXT2 SERIES

A Revolutionary HMI from

CIMON

The New Industrial HMI Benchmark

The new eXT2 Series sets a new benchmark for industrial HMIs with its high-resolution display, faster processing power, and slim, durable design tailored for demanding environments. Advanced models further enhance versatility with additional connectivity and rugged protection for high-demand applications. In addition to our robust HMI hardware, we offer:

Complimentary Technical Support

Access dedicated experts ready to assist you every step of the way.

Custom or Non-Branded Design Options

Personalize the front bezel of your HMI to align with your brand or meet specific operational requirements.

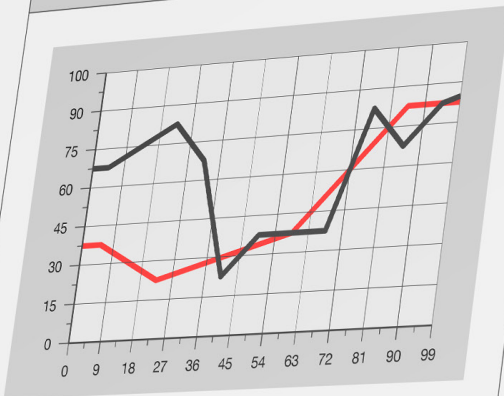
User-Friendly HMI Software Canvas

Simplify your workflow with intuitive, feature-rich software tailored for industrial use.

Choose the eXT2 Series for a dependable, user-focused solution that excels in any industrial setting.

CIMON

Trend



System Count

Minimum ms Interval ms
Maximum ms Value ms

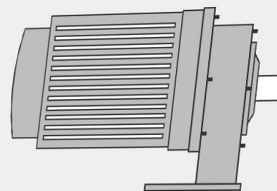
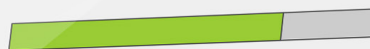
HVAC System 1



Motor Status

OFF ON

SPEED RPM

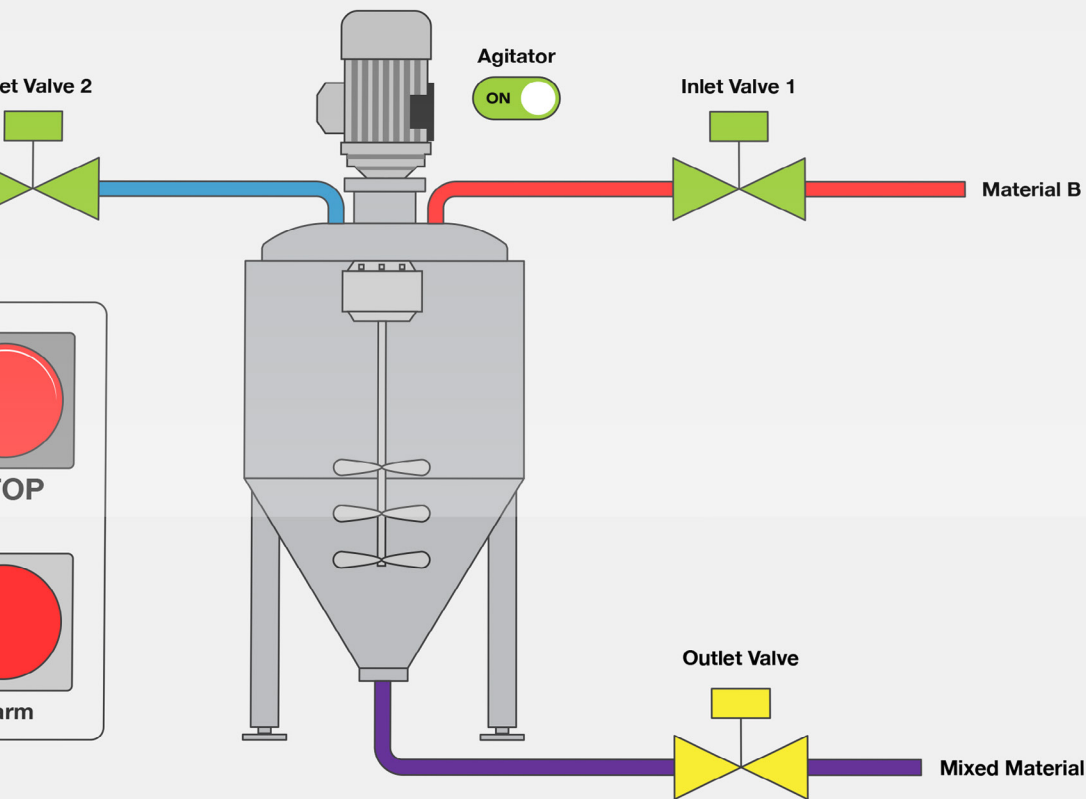


!	Event Time	Alarm Name	Condition	Message
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There are no active alarms at this time.

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09:46



Control panel elements:

- STOP button (red circle)
- Alarm button (red circle)

Alarm Name	Condition	Message

Built for Industrial Excellence

The eXT2 Series is available in 7", 10.1", 12.1", and 15.6" sizes, providing flexible solutions for applications of any scale. With models tailored for performance and reliability, the eXT2 Series brings enhanced features to elevate industrial operations.

High-Speed Processing Power



Equipped with a quad-core ARM Cortex-A53 processor, 64-bit processing, and power-efficient architecture, it delivers a 300–400% boost in performance to handle the most demanding industrial tasks.

4x More RAM and 64x More Storage*



Upgraded to 2GB of RAM and 8GB of storage, offering unmatched capacity for advanced tasks.

*When compared to eXT HMI

Wide, High-Resolution Display



Upgrades to a widescreen format from the traditional 4:3 aspect ratio, offering clear visuals with support for resolutions up to 1080p.

Sleek and Lightweight Design



A slim, lightweight profile allows for easy installation and seamless integration into any setup.

Ultra-Bright Display



With a 1200-nit brightness level, the display remains perfectly visible, even in direct sunlight or challenging lighting conditions.

VESA Mount Compatibility

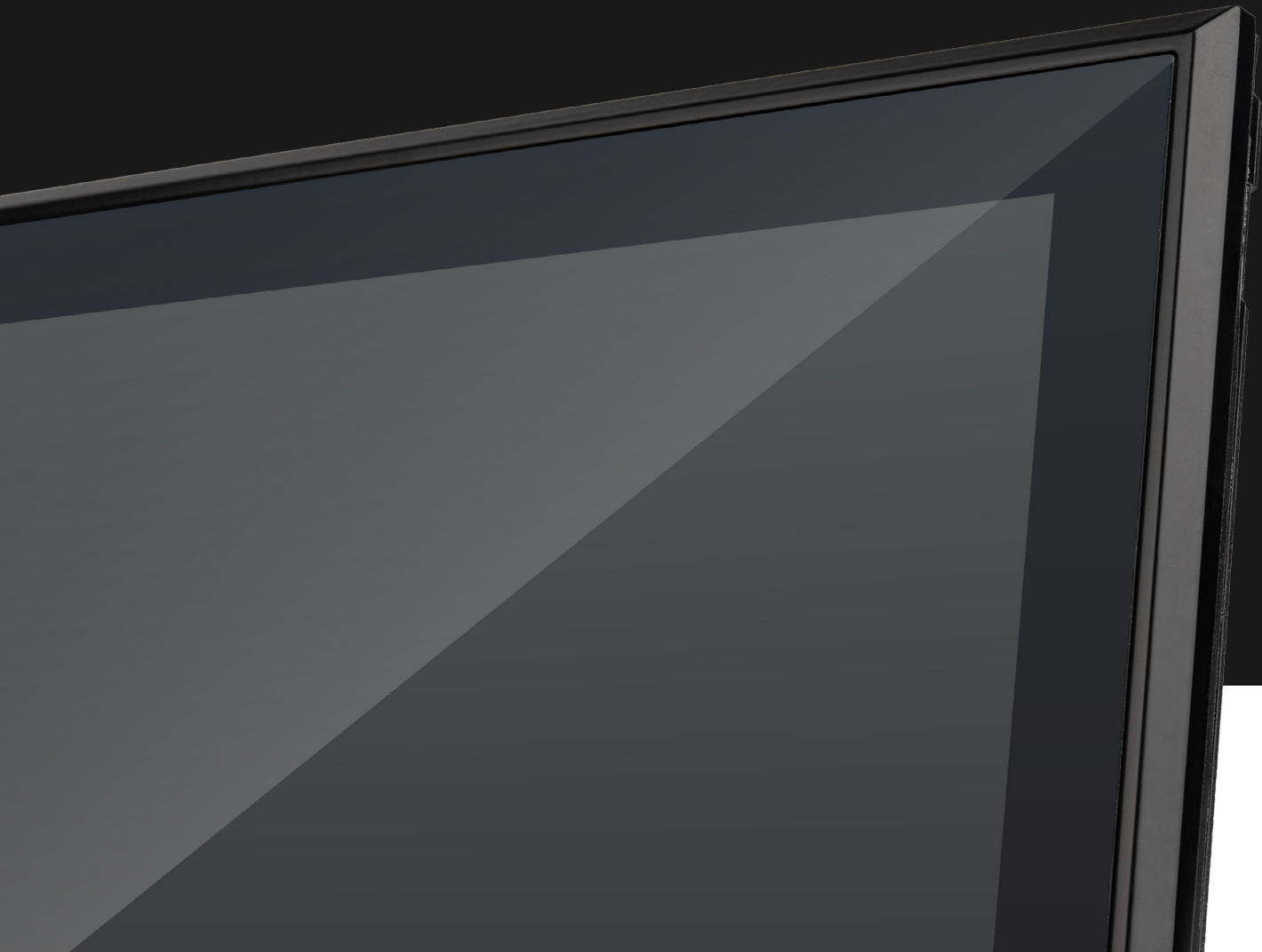


VESA mounting options make integration effortless in diverse industrial setups.

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Constructed for Unmatched Durability

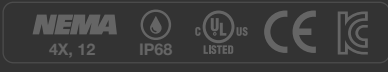
The eXT2 Series is suitable for harsh industrial environments, offering features that withstand extreme conditions and rigorous use. With globally recognized certifications and protective materials, it meets the challenges of complex industrial applications.



Industry-Standard Certifications



Designed to exceed industry standards with UL, CE, FCC, and KC certifications, ensuring consistent and dependable performance in industrial environments.



Advanced Water and Dust Protection



The eXT2 Series is IP68-rated and compliant with NEMA 4X and NEMA 12, ensuring superior resistance against water and dust. These capabilities make it ideal for wash-down applications and harsh industrial environments.

Extended Operating Temperature



This feature ensures reliable performance in extreme conditions, with an operating range of -20°C to 70°C.

Long-lasting LED Backlight Life



Designed with LED backlights rated for over 50,000 hours, ensuring long-lasting functionality.

Enhanced UV Resistance



Equipped with UV coating, it withstands extended exposure to sunlight, making it ideal for outdoor applications.

Dependable 3-Year Warranty



Supported by a 3-year warranty for confidence in long-term operation.

Durable Aluminum Bezels




Constructed with robust aluminum front and back bezels for added strength and reliability.



Designed for Reliable Connectivity

The eXT2 Series is designed to deliver seamless communication and exceptional integration, ensuring compatibility with a wide range of devices and systems. This connectivity-focused design supports efficient operations and maximizes industrial productivity.

Dual Gigabit Ethernet Ports 

Facilitates simultaneous communication and network redundancy, allowing for consistent and reliable operation while enabling the separation of networks for efficiency.

Two Serial Ports 

Enables direct communication with legacy or non-Ethernet industrial devices, offering flexibility and ease of integration.

USB-A Port 


Allows connection of USB flash drives and external storage devices, enabling quick data transfer and enhanced system versatility.

USB-C Port 

Offers a modern, widely adopted connection standard, allowing for easy uploading and downloading of project files to simplify project management.

MicroSD Card Slot 

Supports memory expansion up to 2TB for offering a reliable solution for saving datalog files. Additionally, it facilitates project backup and reload features, ensuring seamless management of project data.

Audio Port 

Supports audio output for alarms, system notifications, or other sound-based functionalities.

Engineered for Powerful Communication

The eXT2 Series is designed to keep your systems connected and operations running efficiently. Featuring versatile communication protocols, real-time monitoring, and tools for managing multiple devices, it ensures seamless integration and collaboration across your industrial processes.



Industry-Standard Protocols



Supports widely used protocols like EtherNet/IP, Siemens S7, Mitsubishi MELSEC, and Modbus TCP for flexible and reliable device communication.

Cloud Connectivity



Leverages protocols such as MQTT and OPC UA to enable secure, real-time data access and remote monitoring.

VNC Compatibility



Enables secure remote access for real-time monitoring, troubleshooting, and control from any device, ensuring reliable system management.

Email Notifications



Keeps you updated with automated alerts for system events and critical updates through an SMTP server.

SQLite Integration



Provides embedded database capabilities for efficient data management and record keeping.

FTP Server/Client



Simplifies file navigation and sharing through an FTP Server/Client for smooth file management.

Mass Deployment



Download the same project to multiple HMIs simultaneously, minimizing setup time and ensuring consistent configurations across devices.

1:N Communication



Enables interaction with multiple devices, providing access to all your data from a single device.

Innovated for Dynamic Operation

The eXT2 Series integrates powerful runtime software features that support multimedia applications, regulatory compliance, and enhanced system security.

MP4



Video Player

Play MP4 video files directly on the HMI, providing multimedia support for training and system monitoring.

21 CFR Part 11 Compliance



Meets FDA regulations for electronic records and signatures with features like audit trails and e-signatures, ensuring secure and compliant data management.

PDF File Support



Access and view PDF documents directly on the HMI for quick reference to manuals, guides, and instructions.

Recipe Support



Organizes and transfers predefined variables to PLC registers, streamlining batch process management and delivering consistent results.

Screen Rotation Feature



Supports 0°, 90°, 180°, and 270° rotation, allowing adaptation to various installation orientations and enhancing setup flexibility.

Advanced Security Features



Offers flexible and robust security measures, including multi-level user access control and the ability to assign security levels to individual objects, ensuring protection for sensitive operations and data.

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09:57

HVAC System 1



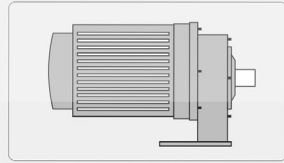
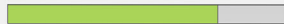
HVAC System 2



Motor Status

OFF **ON**

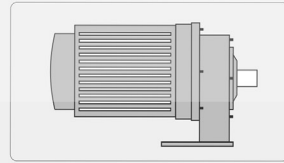
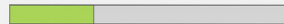
SPEED **45** RPM



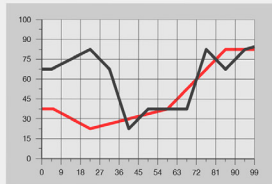
Motor Status

OFF **ON**

SPEED **17** RPM



Trend



System Count

Minimum **0** ms

Maximum **5** ms

Interval **0** ms

Value **5** ms

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!	Event Time	Alarm Name	Condition	Message
	There are no active alarms at this time.			

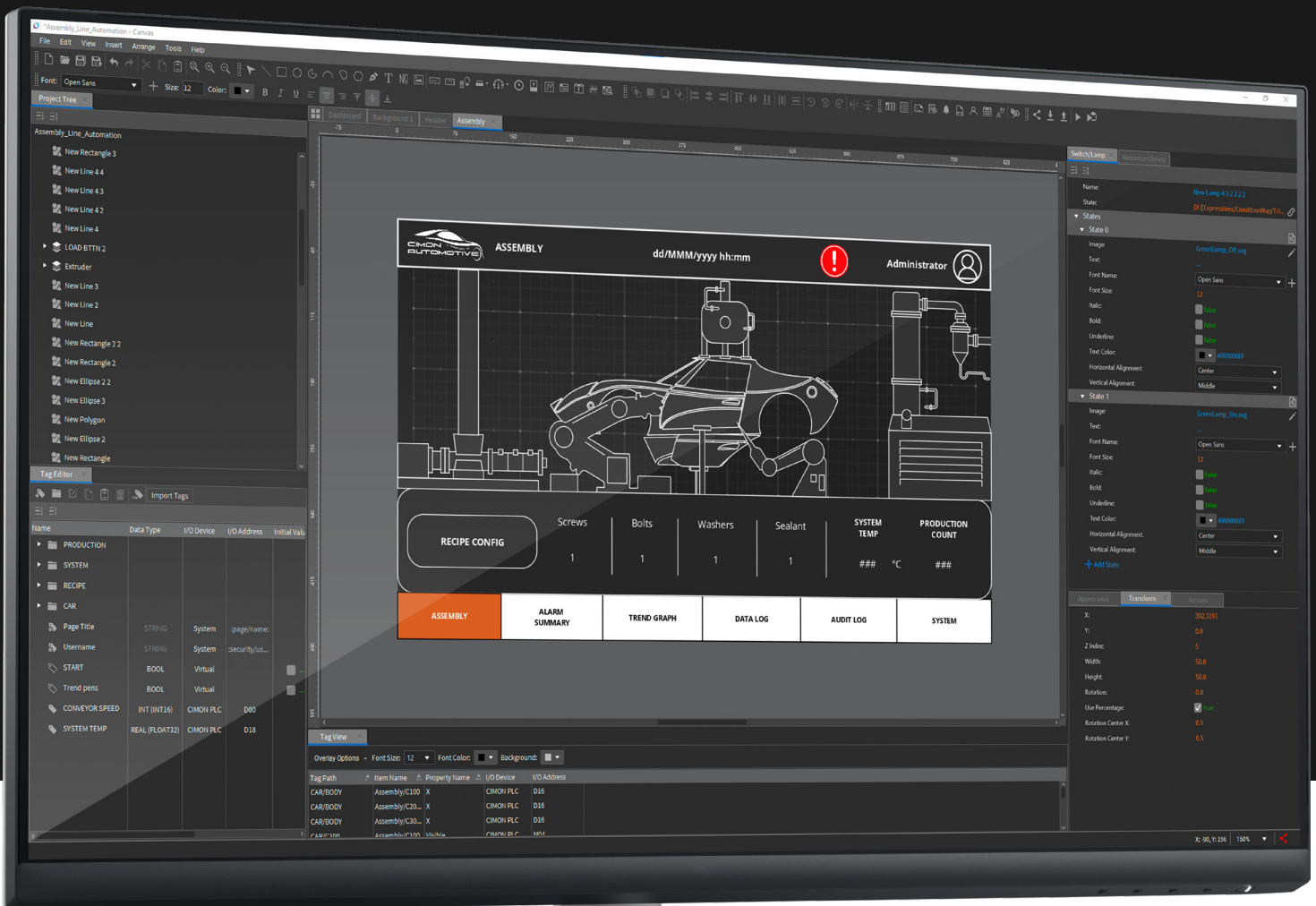
90° screen rotation



Developed for

Creative Control

Canvas software combines intuitive functionality, dynamic visuals, and flexible customization options to enhance workflows and support precise project creation.



360-Degree Object Rotation



Create precise and dynamic designs with full 360-degree object rotation.

Image Format Support



Easily incorporate visuals with support for SVG, JPG, GIF, PNG, and BMP image formats.

Drag-and-Drop Functionality



Simplify project creation by dragging and dropping tags and objects into your designs.

Powerful Scripting Engine



Utilize advanced customization with a scripting engine based on JavaScript.

Multiple Language Support



Canvas HMI design software supports a wide range of languages, including Korean, English, Spanish, Portuguese, and Thai, enhancing global accessibility.

Improved Simulation Feature



Test and debug projects with online simulation, even without an actual HMI.

Extensive Symbol Library



Access a built-in library of symbols, eliminating the need for importing external files.

Automatic Project Size Scaling



Ensure consistent designs across devices with automatic scaling for different screen resolutions.



EXTRE

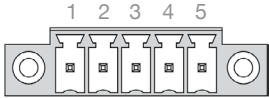


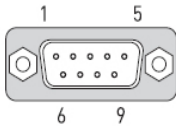
Model Part Number		Base CM-eXT2-07-R-DE	Advanced CM-eXT2-07-R-DF
Enclosure	Front	Plastic	
	Rear	Plastic	
LCD Size		7 inch Wide TFT Color	
Colors		16.7M	
Resolution		1024 x 600 WSVGA (128:75)	
Effective Display Area (W x H)		154.21 x 85.92 mm	
PPI		170	
Backlight		LED	
Luminance		1,000 cd/m ²	
Contrast Ratio		1000:1	
Backlight Life		50,000 Hours	
Touch Panel		4 wire resistive	
Touch Panel Accuracy		Active Area Width (X) ±2%, Height (Y) ±2%	
Display Orientation		Landscape (Standard, 180°), Portrait (90°, 270°)	
Memory		2 GB LPDDR4	
Storage		8 GB eMMC	
SD Card	-	1 x MicroSD card slot	
COM 1	RS-422/485		
COM 2	RS-232C		
Ethernet	1 x 10/100/1000 port	2 x 10/100/1000 ports	
USB Host	1 x Type A		
Tool Port	1 x USB-C		
Audio	-	1 x Line-out port	
Rated Voltage	24 VDC, Class 2		
Inrush Current	30 A maximum		
Power Consumption	12 W (Max: 14 W)		
Operating System	Embedded Linux		
Project Memory	250 MB		
User Memory	4 GB		
Realtime Clock	Realtime clock built into panel, backed up for 10 years at 25°C		
Acknowledgment Sound		Electronic buzzer	
Agency Approvals	UL	UL61010-1 / UL61010-2-201 (E231117)	
	CE	Electromagnetic Compatibility Directive 2014/30/EU (EMC)	
	FCC	The 47 CFR, Part2, Part15 and Part 18 Of FCC Requirement	
	KC	Registration of Broadcasting and Communication Equipments	
	Protection Class (Front)	IP66, NEMA Type 4X, 12	IP68, NEMA Type 4X, 12

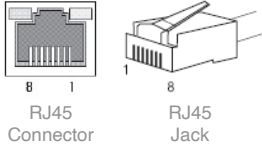
Environmental

Model	Base	Advanced
Operating Temperature	0 – 65°C (32 – 149°F)	-20 – +70°C (-4 – +158°F)
Storage Temperature	-25 – +75°C (-13 – +167°F)	
Operating Humidity	10–90% RH (below 29°C, not condensed)	
Storage Humidity	10–90% RH (below 39°C, not condensed)	

Pin Assignments

COM1: RS-422/485		
PIN	Name	Description
1	RDB	Receive Data B
2	RDA	Receive Data A
3	GND	Ground
4	SDB	Send Data B
5	SDA	Send Data A
Connector		
		

COM2: RS-232C		
PIN	Name	Description
1	-	-
2	RD	Receive Data
3	TD	Transmit Data
4	-	-
5	SG	Signal Ground
6	-	-
7	RTS	Request to Send
8	CTS	Clear to Send
9	-	-
Connector		
		

Ethernet	
PIN	Description
1	TP0+
2	TP0-
3	TP1+
4	TP2+
5	TP2-
6	TP1-
7	TP3+
8	TP3-
Connector	
	

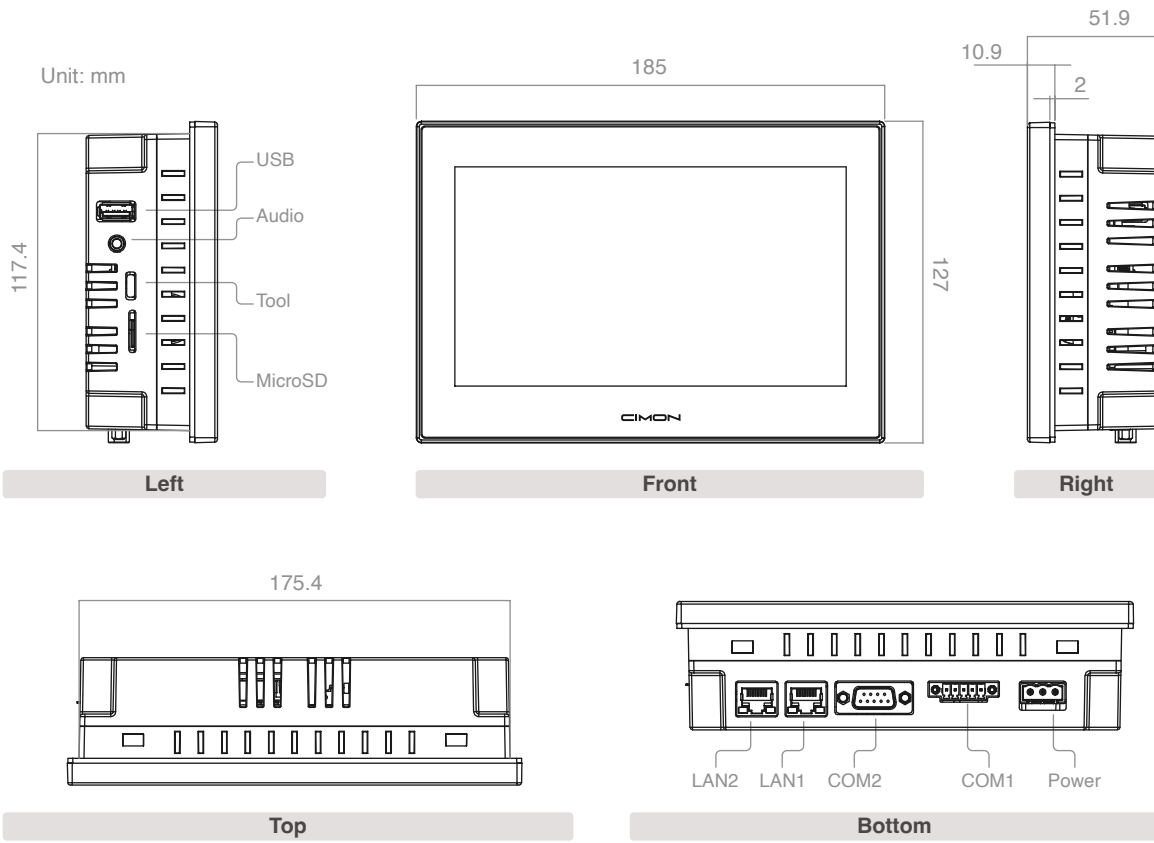
Physical

Model	Base	Advanced
Dimensions	185 x 127 x 51.9 mm (7.28 x 5.00 x 2.04 in)	
Panel Cut	177 x 119 mm (6.97 x 4.69 in)	
Weight	510 g (1.12 lbs)	
VESA (W x H)	N/A	

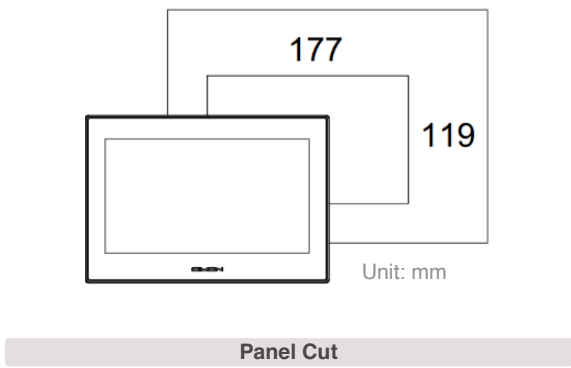
Accessories

Quantity	Description
4	Fastener
1	5-Pin Connector (RS-422/485)
1	Power Terminal Block
1	User Manual

Spec Drawings



Installation





EXT2

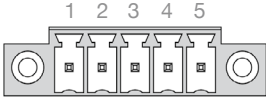
102

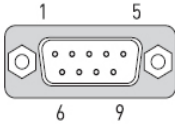
Model Part Number		Base CM-eXT2-10W-R-DE	Advanced CM-eXT2-10W-R-DF	High-Brightness CM-eXT2-10W-RH-DF
Enclosure	Front	Aluminum		
	Rear	Plastic	Aluminum	
LCD Size		10.1 inch Wide TFT Color		
Colors		16.7M		
Resolution		1280 x 800 WXGA (16:10)		
Effective Display Area (W xH)		216.96 x 135.60 mm		
PPI		149		
Backlight		LED		
Luminance		500 cd/m ²	1,200 cd/m ²	
Contrast Ratio		800:1		
Backlight Life		50,000 Hours		
Touch Panel		5 wire resistive		
Touch Panel Accuracy		Active Area Width (X) $\pm 2\%$, Height (Y) $\pm 2\%$		
Display Orientation		Landscape (Standard, 180°), Portrait (90°, 270°)		
Memory		2 GB LPDDR4		
Storage		8 GB eMMC		
SD Card		-	1 x MicroSD card slot	
COM 1		RS-422/485		
COM 2		RS-232C		
Ethernet		1 x 10/100/1000 port	2 x 10/100/1000 ports	
USB Host		1 x Type A		
Tool Port		1 x USB-C		
Audio		-	1 x Line-out port	
Rated Voltage		24 VDC, Class 2		
Inrush Current		30 A maximum		
Power Consumption		15 W (Max: 16 W)	20 W (Max: 21W)	
Operating System		Embedded Linux		
Project Memory		250 MB		
User Memory		4 GB		
Realtime Clock		Realtime clock built into panel, backed up for 10 years at 25°C		
Acknowledgment Sound		Electronic buzzer		
Agency Approvals	UL	UL61010-1 / UL61010-2-201 (E231117)		
	CE	Electromagnetic Compatibility Directive 2014/30/EU (EMC)		
	FCC	The 47 CFR, Part2, Part15 and Part 18 Of FCC Requirement		
	KC	Registration of Broadcasting and Communication Equipments		
	Protection Class (Front)	IP66, NEMA Type 4X, 12	IP68, NEMA Type 4X, 12	

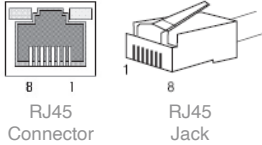
Environmental

Model	Base	Advanced	High-Brightness
Operating Temperature	0 – 65°C (32 – 149°F)	-20 – +70°C (-4 – +158°F)	
Storage Temperature	-25 – +75°C (-13 – +167°F)		
Operating Humidity	10–90% RH (below 29°C, not condensed)		
Storage Humidity	10–90% RH (below 39°C, not condensed)		

Pin Assignments

COM1: RS-422/485		
PIN	Name	Description
1	RDB	Receive Data B
2	RDA	Receive Data A
3	GND	Ground
4	SDB	Send Data B
5	SDA	Send Data A
Connector		
		

COM2: RS-232C		
PIN	Name	Description
1	-	-
2	RD	Receive Data
3	TD	Transmit Data
4	-	-
5	SG	Signal Ground
6	-	-
7	RTS	Request to Send
8	CTS	Clear to Send
9	-	-
Connector		
		

Ethernet	
PIN	Description
1	TP0+
2	TP0-
3	TP1+
4	TP2+
5	TP2-
6	TP1-
7	TP3+
8	TP3-
Connector	
	

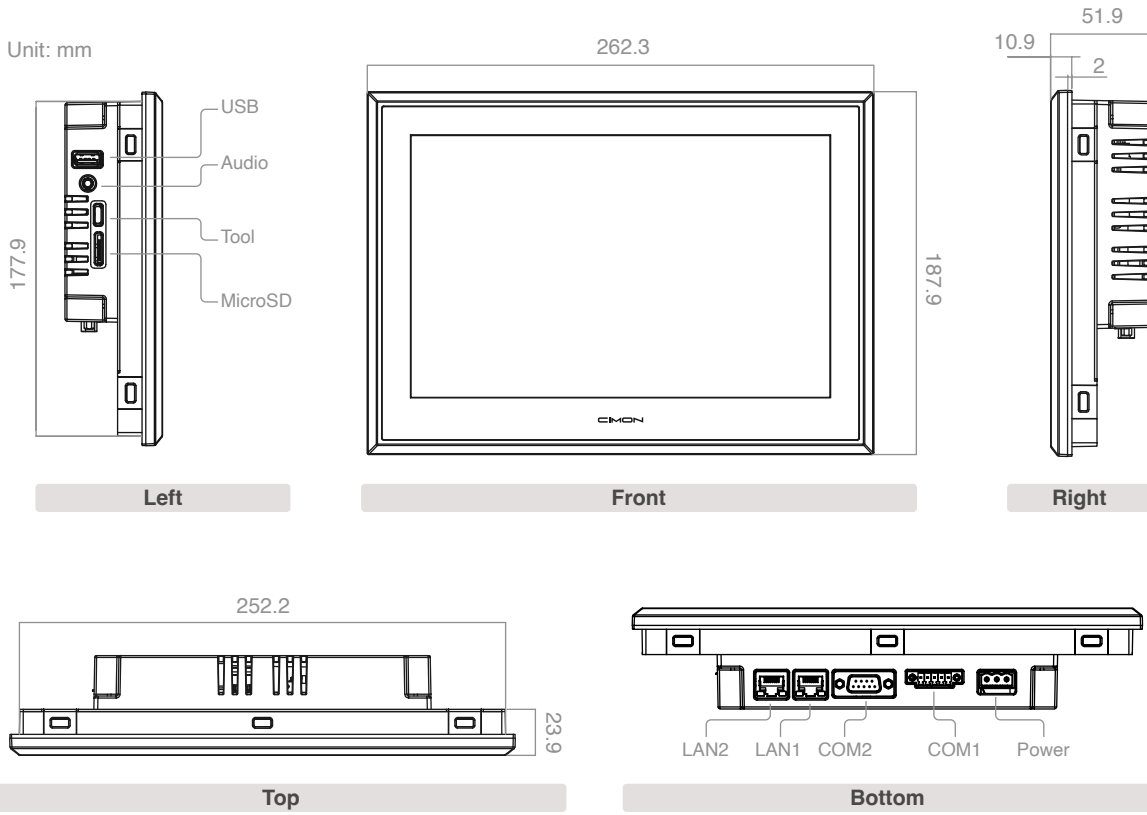
Physical

Model	Base	Advanced	High-Brightness
Dimensions	262.3 x 187.9 x 51.9 mm (10.32 x 7.39 x 2.04 in)		
Panel Cut	254 x 179 mm (10 x 7.04 in)		
Weight	1.4 kg (3.09 lbs)	1.6 kg (3.52 lbs)	
VESA (W x H)	N/A	75 mm x 75 mm	

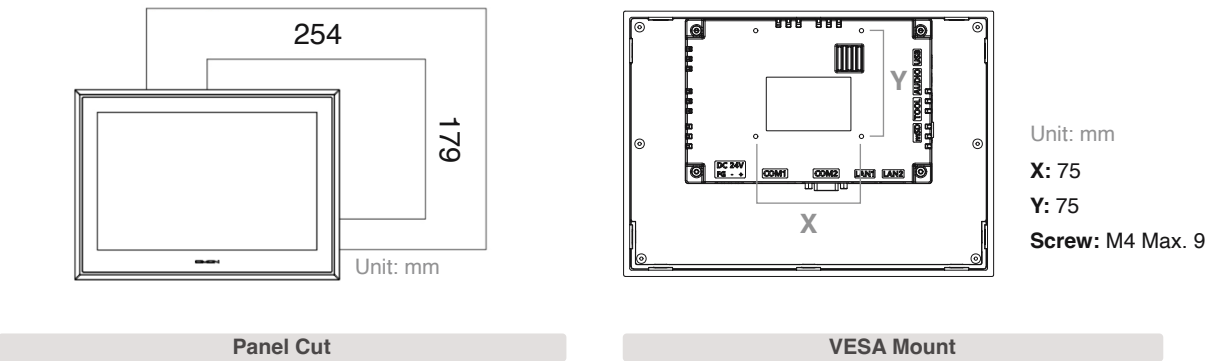
Accessories

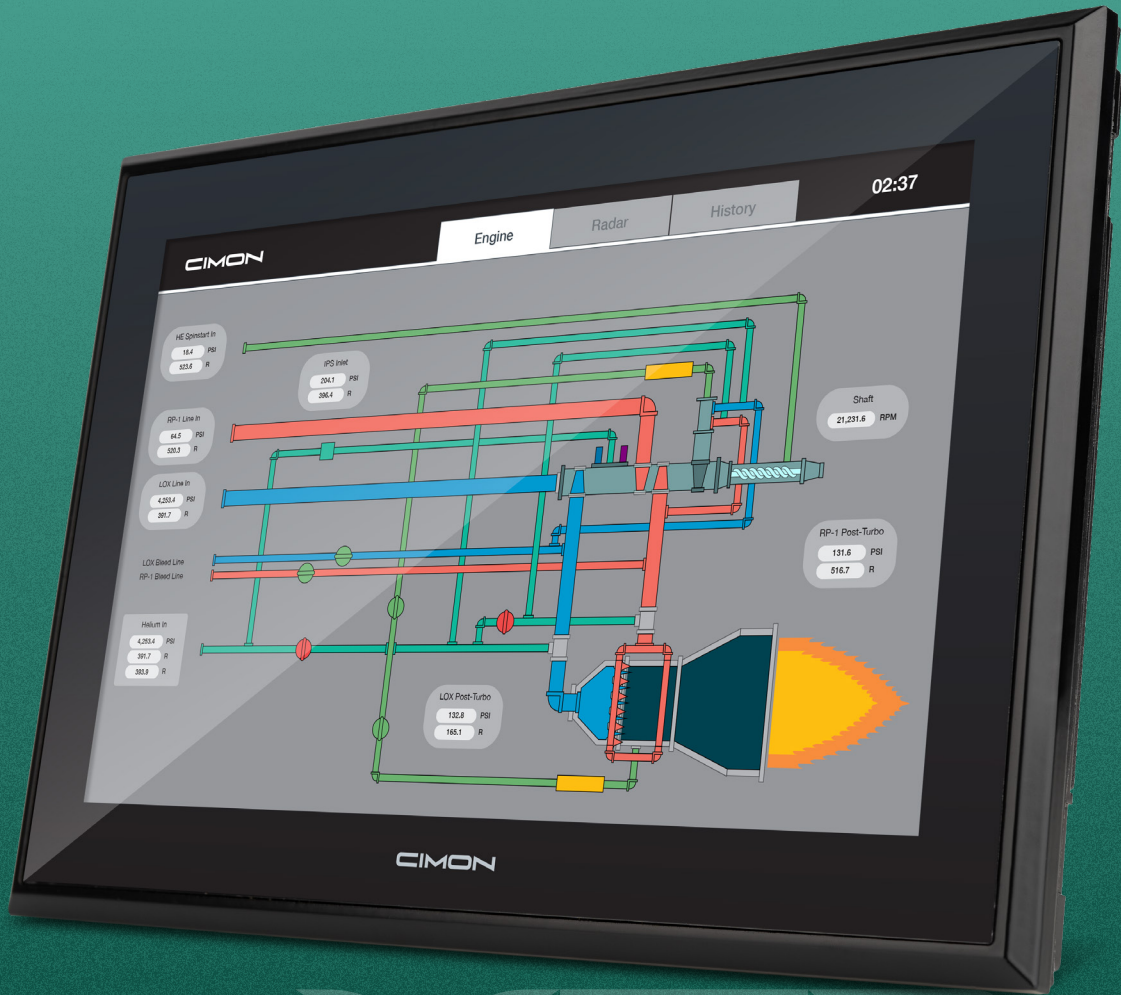
Quantity	Description
10	Fastener
1	5-Pin Connector (RS-422/485)
1	Power Terminal Block
1	User Manual

Spec Drawings



Installation





EXT2


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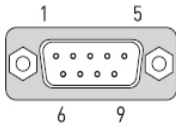
Model Part Number		Base eXT2-12W-R-DE	Advanced eXT2-12W-R-DF	High Brightness eXT2-12W-RH-DF
Enclosure	Front	Aluminum		
	Rear	Plastic	Aluminum	
LCD Size		12.1 inch Wide TFT Color		
Colors		16.7M		
Resolution		1280 x 800 WXGA (16:10)		
Effective Display Area (W xH)		261.12 x 163.2 mm		
PPI		125		
Backlight		LED		
Luminance		600 cd/m ²	1,000 cd/m ²	
Contrast Ratio		1000:1		
Backlight Life		50,000 Hours		
Touch Panel		5 wire resistive		
Touch Panel Accuracy		Active Area Width (X) $\pm 2\%$, Height (Y) $\pm 2\%$		
Display Orientation		Landscape (Standard, 180°), Portrait (90°, 270°)		
Memory		2 GB LPDDR4		
Storage		8 GB eMMC		
SD Card		-	1 x MicroSD card slot	
COM 1		RS-422/485		
COM 2		RS-232C		
Ethernet		1 x 10/100/1000 port	2 x 10/100/1000 ports	
USB Host		1 x Type A		
Tool Port		1 x USB-C		
Audio		-	1 x Line-out port	
Rated Voltage		24 VDC, Class 2		
Inrush Current		30 A maximum		
Power Consumption		21.2 W (Max: 22.7 W)	21.6 W (Max: 23W)	
Operating System		Embedded Linux		
Project Memory		250 MB		
User Memory		4 GB		
Realtime Clock		Realtime clock built into panel, backed up for 10 years at 25°C		
Acknowledgment Sound		Electronic buzzer		
Agency Approvals	UL	UL61010-1 / UL61010-2-201 (E231117)		
	CE	Electromagnetic Compatibility Directive 2014/30/EU (EMC)		
	FCC	The 47 CFR, Part2, Part15 and Part 18 Of FCC Requirement		
	KC	Registration of Broadcasting and Communication Equipments		
	Protection Class (Front)	IP66, NEMA Type 4X, 12	IP68, NEMA Type 4X, 12	

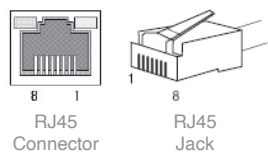
Environmental

Model	Base	Advanced	High-Brightness
Operating Temperature	0 – 65°C (32 – 149°F)	-20 – +70°C (-4 – +158°F)	
Storage Temperature	-25 – +75°C (-13 – +167°F)		
Operating Humidity	10–90% RH (below 29°C, not condensed)		
Storage Humidity	10–90% RH (below 39°C, not condensed)		

Pin Assignments

COM1: RS-422/485		
PIN	Name	Description
1	RDB	Receive Data B
2	RDA	Receive Data A
3	GND	Ground
4	SDB	Send Data B
5	SDA	Send Data A
Connector		
		

COM2: RS-232C		
PIN	Name	Description
1	-	-
2	RD	Receive Data
3	TD	Transmit Data
4	-	-
5	SG	Signal Ground
6	-	-
7	RTS	Request to Send
8	CTS	Clear to Send
9	-	-
Connector		
		

Ethernet	
PIN	Description
1	TP0+
2	TP0-
3	TP1+
4	TP2+
5	TP2-
6	TP1-
7	TP3+
8	TP3-
Connector	
	

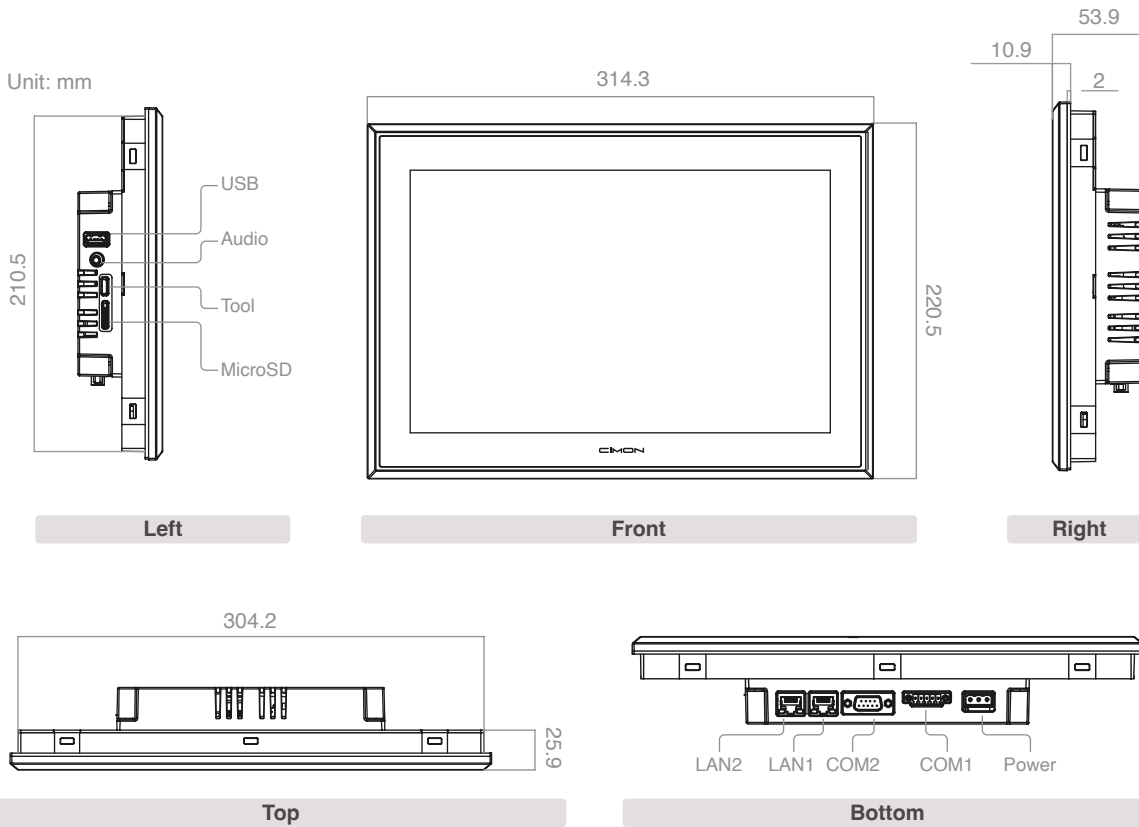
Physical

Model	Base	Advanced	High-Brightness
Dimensions	314.3 x 220.5 x 53.9 mm (12.37 x 8.68 x 2.12 in)		
Panel Cut	305 x 212 mm (12 x 8.35 in)		
Weight	2.2 kg (4.85 lbs)	2.4 kg (5.29 lbs)	
VESA (W x H)	N/A	75 mm x 75 mm	

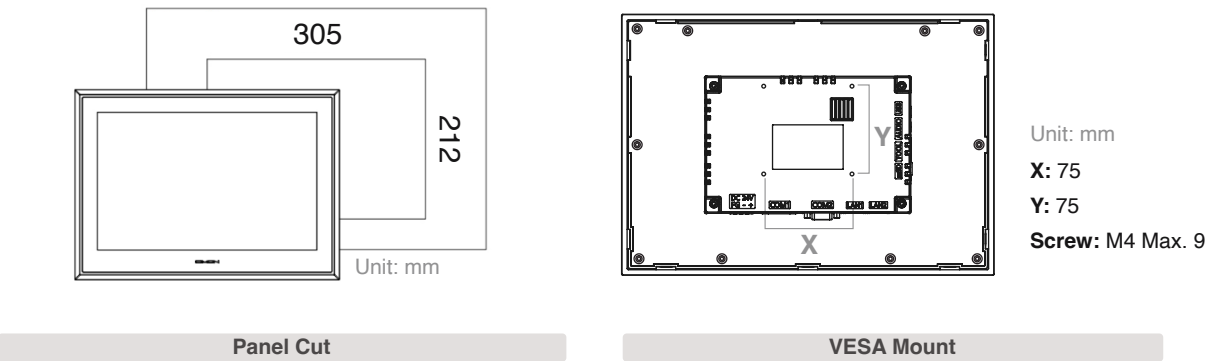
Accessories

Quantity	Description
10	Fastener
1	5-Pin Connector (RS-422/485)
1	Power Terminal Block
1	User Manual

Spec Drawings



Installation





CIMON

09:34

Control

All Inverters **ON**

Devices

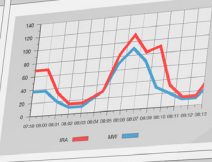
Inverters 17 / 21

Combiner Boxes 210 / 210

Circuit Breakers 32 / 32

Pyranometer 2 / 2

Power Trends



Availability

71%

Weather

Ambient Temp 87 °F

Wind Direction 160 °

Wind Speed 3 m/s

GHI 543 w/m²

Field Overview

001 1050 kW	002 1048.5 kW	003 1052 kW	004 1037.9 kW	005 992.1 kW	006 1059 kW	007 1029.3 kW
008 1050 kW	009 COMM FAIL	010 COMM FAIL	011 1037.9 kW	012 992.1 kW	013 1059 kW	014 1029.3 kW
015 1050 kW	016 1048.5 kW	017 1052 kW	018 0.0 kW	019 0.0 kW	020 1059 kW	021 1029.3 kW

Energy Today

80.32 MWh

Energy Yesterday

71.48 MWh

POI Export

32.51 MW

POI SP

42.00 MW

PR %

50.25x

Event Time	Alarm Name	Condition	Message
01-31-2024 07:56:23	030 COMM FAIL		
01-31-2024 07:56:23	010 COMM FAIL		
01-31-2024 07:58:59	018 OUTPUT ZERO		
01-31-2024 07:58:59	019 OUTPUT ZERO		

CIMON

EXT2

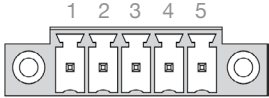
15

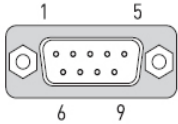
Model		eXT2-15W-R-DE (Base)	eXT2-15W-R-DF (Advanced)	eXT2-15W-RH-DF (High Brightness)
Enclosure	Front	Aluminum		
	Rear	Plastic	Aluminum	
LCD Size		15.6 inch Wide TFT Color		
Colors		16.7M		
Resolution		1920 x 1080 WXGA (16:9)		
Effective Display Area (W xH)		344.16 x 193.59 mm		
PPI		141		
Backlight		LED		
Luminance		450 cd/m ²	1,200 cd/m ²	
Contrast Ratio		800:1		
Backlight Life		50,000 Hours		
Touch Panel		5 wire resistive		
Touch Panel Accuracy		Active Area Width (X) ±2%, Height (Y) ±2%		
Display Orientation		Landscape (Standard, 180°), Portrait (90°, 270°)		
Memory		2 GB LPDDR4		
Storage		8 GB eMMC		
SD Card		-	1 x MicroSD card slot	
COM 1		RS-422/485		
COM 2		RS-232C		
Ethernet		1 x 10/100/1000 port	2 x 10/100/1000 ports	
USB Host		1 x Type A		
Tool Port		1 x USB-C		
Audio		-	1 x Line-out port	
Rated Voltage		24 VDC, Class 2		
Inrush Current		30 A maximum		
Power Consumption		23.5 W (Max: 25 W)	35 W (Max: 36.6 W)	
Operating System		Embedded Linux		
Project Memory		250 MB		
User Memory		4 GB		
Realtime Clock		Realtime clock built into panel, backed up for 10 years at 25°C		
Acknowledgment Sound		Electronic buzzer		
Agency Approvals	UL	UL61010-1 / UL61010-2-201 (E231117)		
	CE	Electromagnetic Compatibility Directive 2014/30/EU (EMC)		
	FCC	The 47 CFR, Part2, Part15 and Part 18 Of FCC Requirement		
	KC	Registration of Broadcasting and Communication Equipments		
	Protection Class (Front)	IP66, NEMA Type 4X, 12	IP68, NEMA Type 4X, 12	

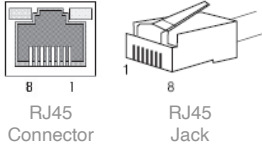
Environmental

Model	eXT2-15W-R-DE	eXT2-15W-R-DF	eXT2-15W-RH-DF
Operating Temperature	0 – 65°C (32 – 149°F)	-20 – +70°C (-4 – +158°F)	
Storage Temperature	-25 – +75°C (-13 – +167°F)		
Operating Humidity	10–90% RH (below 29°C, not condensed)		
Storage Humidity	10–90% RH (below 39°C, not condensed)		

Pin Assignments

COM1: RS-422/485		
PIN	Name	Description
1	RDB	Receive Data B
2	RDA	Receive Data A
3	GND	Ground
4	SDB	Send Data B
5	SDA	Send Data A
Connector		
		

COM2: RS-232C		
PIN	Name	Description
1	-	-
2	RD	Receive Data
3	TD	Transmit Data
4	-	-
5	SG	Signal Ground
6	-	-
7	RTS	Request to Send
8	CTS	Clear to Send
9	-	-
Connector		
		

Ethernet	
PIN	Description
1	TP0+
2	TP0-
3	TP1+
4	TP2+
5	TP2-
6	TP1-
7	TP3+
8	TP3-
Connector	
	

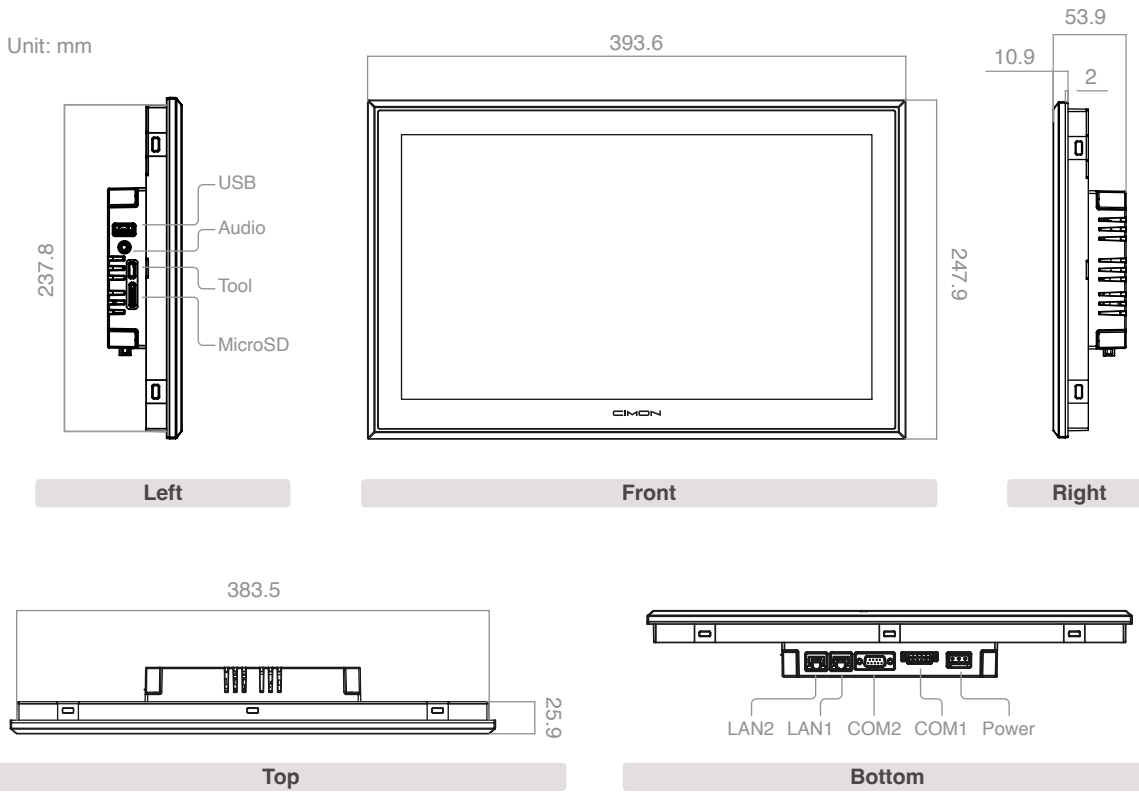
Physical

Model	eXT2-15W-R-DE	eXT2-15W-R-DF	eXT2-15W-RH-DF
Dimensions	393.6 x 247.9 x 53.9 mm (15.49 x 9.76 x 2.12 in)		
Panel Cut	385 x 239 mm (15.16 x 9.41 in)		
Weight	3.2 kg (7.05 lbs)	3.4 kg (7.49 lbs)	
VESA (W x H)	N/A	75 mm x 75 mm	

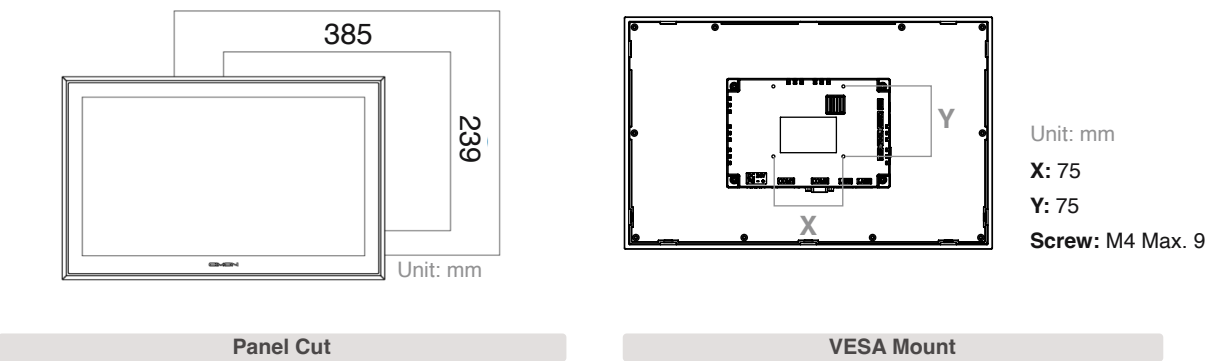
Accessories

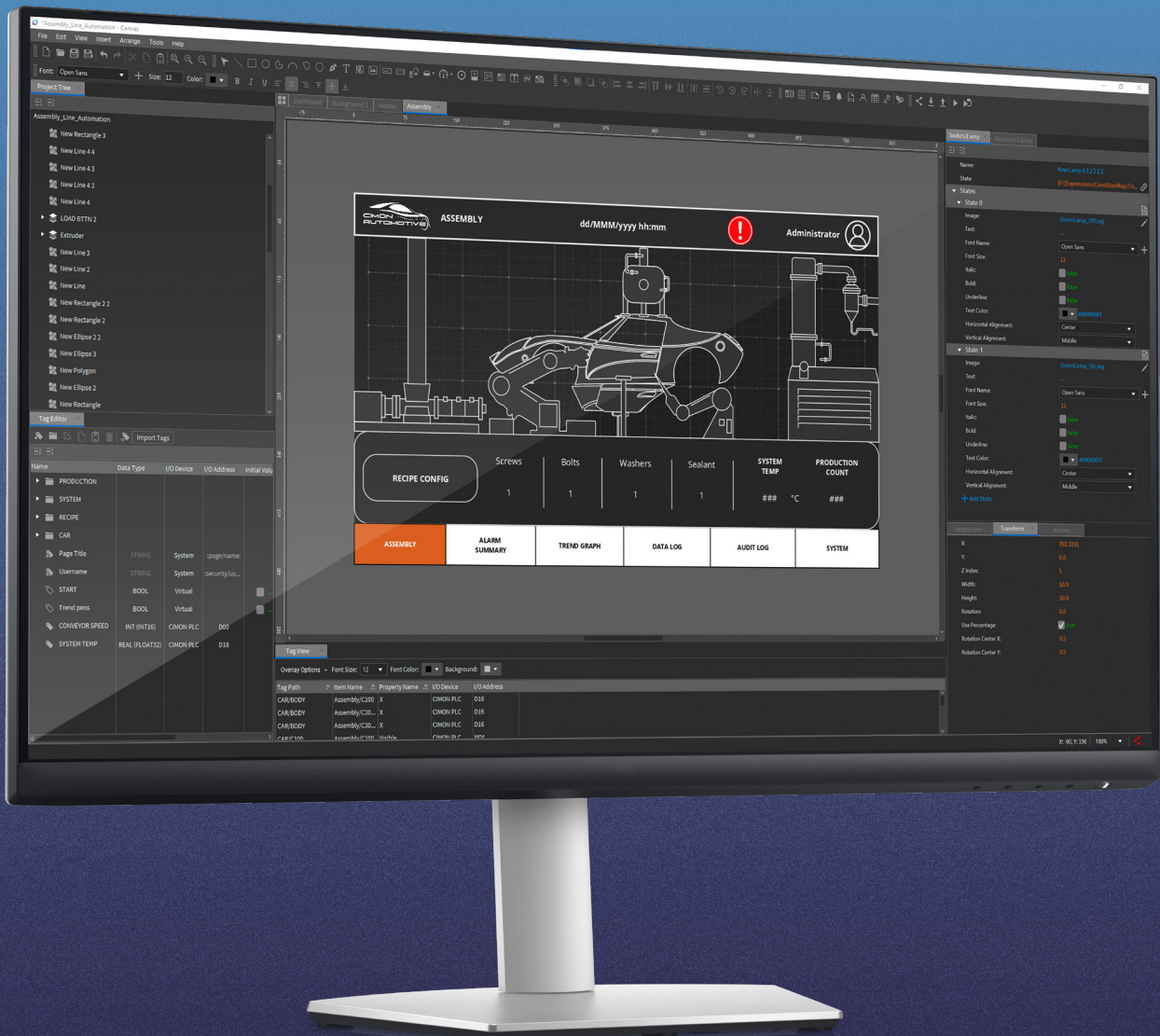
Quantity	Description
10	Fastener
1	5-Pin Connector (RS-422/485)
1	Power Terminal Block
1	User Manual

Spec Drawings



Installation





CANVAS SOFTWARE

Item	Supported
Resource Libraries	-BMP, JPG, PNG, SVG -GIF -PDF -WAV, MP3, MP4
Applications / Options	-VNC (eXT2 Models Only) -RDP (eXT/nXT Models Except eXT04) -PDF Viewer -Media Player
Tools	-Find and Replace -Cross Reference
JavaScript Scripts	Yes
Alarm System	
Number of Alarm Classes	26 (Groups A-P; Levels 1-10)
Boolean Alarms	Yes
Analog Alarms	Yes
Scrolling Messages	Yes
Alarm Description	Yes
Tag Value Display in Alarm Description	Yes
Active Alarms	Yes
Cleared Alarms	Yes
Active, Acknowledged Alarms	Yes
Cleared, Acknowledged Alarms	Yes
Shelved Alarms	Yes
Historical Alarms	Yes
Alarm Summary Object	Yes
Recipe Management	
Recipes	Yes
Recipe Export (CSV)	Yes
Recipe Import (CSV)	Yes
Tag Management	
Tag Value Display	Yes
Tag Binding	Yes
Tag Import	- L5X (Allen-Bradley) - EDS (EtherNet IP) - SDF or DB (Siemens S7) - VAR (CIMON)
Clamping	Yes
Scaling	Yes
Action Methods	-Tag Value Change -IO Device Comm Status Change

Functionality (cont.)

Page Management	Supported
Base Page	Yes
Pop-up Page	Yes
Background	Yes
Overlay	Yes
Remote Page Control via PLC	Yes
Page Number in PLC	Yes
Page Objects	
Text Object	Yes
Numeric Text Object	Yes
Text Field	Yes
Numeric Field	Yes
Date / Time Object	Yes
Switch / Lamp	Yes
Momentary Button	Yes
Action Button	Yes
Graphic Library	Yes
Geometric Objects	Yes
Round Gauge	Yes
Vertical Gauge	Yes
Horizontal Gauge	Yes
Fillable Rectangle	Yes
Complex Page Objects	
Alarm Summary	Yes
Trend Graph (YT)	Yes
Data Log Table	Yes
Audit Log Table	Yes
User Access Management View	Yes
Recipe View	Yes
Sparkline	Yes
Media Player	Yes
PDF Display	Yes

String Table	Supported
Groups	Yes
Languages	Yes
Keys	Yes
Data Logging	
Data Log Viewer Object	Yes
Archiving Methods	-Sequential -Condition -Tag Value Change -Manual
Storage Location	-SD/MicroSD -USB -Local -FTP
Data Storage Format	CSV
Identity and Access Management	
Groups	Yes
Permissions	Yes
Users	Yes
Font Styles	
Keyboard Fonts - US English	Yes
Project Transfer	
USB mini-B	eXT/nXT Only
USB-C	eXT2 Only
Ethernet	Yes
USB Type-A	Yes
SD	eXT/nXT Only*
MicroSD	eXT2 Only
Service Tools	
Factory Reset	Yes
Offline Simulator	Yes
Online Simulator	Yes

*Excludes eXT04

Languages

Software Languages	Supported
English	Yes
Spanish	Yes
Portugese	Yes
Korean	Yes
Thai	Yes
Project / Runtime Languages	
Multi-language	Yes

Configuration

Configuration	Supported
21 CFR Part 11	Yes
Scrolling Messages	Yes
Alarm System	Yes
Tag Value Display	Yes
Tag Value Input	Yes
Recipe Management	Yes
Light / Dark Mode	Yes

Protocols

Ethernet (TCP) Client	Supported
EtherNet/IP (Allen-Bradley)	Yes
EtherNet/IP (ODVA)	Yes
BACnet	Yes
FTP	Yes
S7 (Siemens)	Yes
MELSEC (Mitsubishi)	Yes
Modbus (Modicon)	Yes
DHCP	Yes
SMTP	Yes
VNC	Yes; eXT2 Models Only
RDP	Yes; eXT/nXT Models Only*
OPC UA	Yes
CIMON	Yes
GP Ethernet (Proface)	Yes
FEnet (LSIS)	Yes
FINS (OMRON)	Yes
FBs (Fatek)	Yes

*Excludes eXT04

Ethernet (TCP) Server	Supported
EtherNet/IP (ODVA)	Yes
Modbus (Modicon)	Yes
FTP	Yes
OPC UA	Yes
MQTT JSON Publisher	Yes
Sparkplug Edge Node	Yes
FBs (Fatek)	Yes
Serial (RTU) Client	
DF-1 (Allen Bradley)	Yes
MELSEC (Mitsubishi)	Yes
Modbus (Modicon)	Yes
CIMON	Yes
Cnet (LSIS)	Yes
Hostlink (OMRON)	Yes
FP7 (Panasonic)	Yes
FA-M3 (Yokogawa)	Yes
Serial (RTU) Server	
Modbus (Modicon)	Yes



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For more information, contact:

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+1(800)300-9916

