

WEG Automation Catalog

Motors

Automation

Energy

Transmission & Distribution

Programmable Logic
Controllers (PLC) & Human
Machine Interfaces (HMI)



Automation The Right Way
Scan to Connect

Driving efficiency and sustainability



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Terminology Reference

Measurements / Symbols

A = Amps (amperes)
 cd/m² = Candelas per square meter
 cm = Centimeter
 ft = Feet
 Hz = Hertz
 I = Current
 I_e = Rated operational current
 in = Inches
 kg = Kilogram
 lbs = Pounds
 m = Meters
 mA = Milliampere
 Max = Maximum
 Min = Minimum
 min. = Minutes
 mm = Millimeters
 ms = Milliseconds
 sec. = Seconds
 U = Rated voltage
 V = Volts
 V/Hz = Volts per hertz
 V_{in} = Voltage in
 μs = Microsecond
 Ω = Ohm

Acronyms / Initialisms

AI = Analog Input
 AO = Analog Output
 DC = Direct Current
 DI = Digital Input
 DO = Digital Output
 HP = Horsepower
 GB = Gigabyte
 GHz = Gigahertz
 kA = Kiloampere
 KB = Kilobyte
 kHz = Kilohertz
 MB = Megabyte
 MHz = Megahertz
 I/O = Input/Output
 CAN = Controller Area Network
 DB = Database
 DSP = Digital Signal Processor
 EMC = Electromagnetic Compatibility
 FBD = Function Block Diagram
 HMI = Human Machine Interface
 IoT = Internet of Things
 IIoT = Industrial Internet of Things
 IPS = In-Plane Switching
 LCD = Liquid Crystal Display
 LED = Light-Emitting Diode
 MQTT = Message Queuing Telemetry Transport
 NPN = Negative-Positive-Negative
 OEM = Original Equipment Manufacturer
 OPC = Open Platform Communications
 PC = Personal Computer
 PID = Proportional-Integral-Derivative
 PLC = Programmable Logic Controller
 SoftPLC = Programmable Logic Controller Soft
 PNP = Positive-Negative-Positive
 PWM = Pulse Width Modulation
 RFI = Radio Frequency Interference
 RTD = Resistance Temperature Detector
 RTU = Remote Terminal Unit
 SCR = Semiconductor Controlled Rectifier
 TCP = Transmission Control Protocol
 TFT = Thin Film Transistor
 UA = Unified Architecture
 USB = Universal Serial Bus
 UL = Underwriters Laboratories

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Warranty Policy for Automation Products

WEG USA General Terms and Conditions available at www.weg.net apply to all orders.

Warranty Service

If a WEG product requires warranty service due to defective materials or workmanship, WEG will, at its option, either repair or replace the defective product. By “replace,” WEG Automation Service Department will be shipping a replacement product. WEG is not responsible for any expenses incurred in installation, removal from service, transportation (freight) or consequential expenses.

Limited Warranty

WEG Electric Corp. is proud of all our product lines. WEG and its employees are committed to our customers and users to provide the best-designed and manufactured motors, drives and controls. WEG provides a limited warranty on our products against defects in materials and workmanship for a specific period from the date of purchase. If a product date code is within its stated warranty period (18 months, 36 months, etc.), no proof of purchase is required. Otherwise, a copy of the invoice is necessary to show the date of purchase. Purchases of WEG products from unauthorized dealers or distributors, even of otherwise “new” WEG products, voids warranty coverage. WEG’s authorized distributors are shown under “Support” “Where to Buy” on our website at www.weg.net

Return Policy

WEG products that are purchased from our stocking warehouses must be returned within 90 days, freight to be paid by customer. Returned products must be unused, and in undamaged original packaging. If products are ordered incorrectly by the customer and need to be returned to stock, then a 20% re-stocking charge will be applied. If the returned products are deemed not to be in unused, undamaged condition, or in original packaging, then additional fees will be applied (up to and including full price of item). Returns on any modified products will not be allowed. Any products that are ordered as specials (with features that would not allow them to be stocked items) cannot be returned.

Credit and Replacements

For any possible warranty failure, WEG Automation’s service department must be advised and it will be sending replacements, at WEG’s discretion. Customer cannot purchase a new drive and claim the credit reimbursement; automation service needs to handle the replacements, free of cost to customer. Later failure analysis will be made and the warranty determination will be communicated to the customer. If it is determined that there is no warranty, the customer will need to pay for the replacement unit.

Proper Storage of Products

When automation products are not immediately installed, they should be stored in their normal upright position in a dry, even temperature location, free of dust, gases, and corrosive atmosphere. Drives stored for a period exceeding one year should have the reforming process done prior to the installation. For more info, please contact the automation service department.

Limitation of Warranty

THE FOREGOING WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES OF QUALITY AND PERFORMANCE, WRITTEN, ORAL OR IMPLIED, AND ALL OTHER WARRANTIES INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ARISING FROM COURSE OF DEALING OR USAGE OF TRADE ARE HEREBY DISCLAIMED BY WEG. THE FOREGOING OBLIGATION TO REPAIR OR REPLACE WEG PRODUCTS OR PARTS SHALL BE THE SOLE AND EXCLUSIVE REMEDY OF THE PURCHASER, ITS CUSTOMERS, OR USERS OF THE PRODUCTS OR PARTS.

Contact WEG Automation Service

Toll-Free: 1-877-934-3748 or email by automationtech@weg.net

PLC500 Series Programmable Logic Controller

PLC500 is a medium-sized programmable logic controller (PLC), compact in size, robust in performance, and modular in programming. It is a solution that utilizes WEG technology and the CODESYS® platform flexibility, allowing the development of flexible and efficient solutions. With high-performance hardware, it is possible to perform highly complex tasks, such as timing, counting, basic and advanced math operations, interlocking logic, PID control, and much more. All of this is achieved at high speed and with maximum operational accuracy.

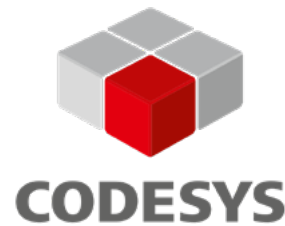


Standard Features

- Two Gigabit Ethernet ports. These can have independent IP addresses or act as a pass-through. Protocols include EtherNet/IP, Modbus TCP-Client/Server, and EtherCAT-Client.
- One CAN Port supports CANopen-Master
- One RS485 connection for Modbus RTU Master/Slave
- MicroSD card slot for storage up to 128GB
- One USB host port
- One Mini USB device port for programming and monitoring via PC
- CODESYS solution development platform offers greater operational stability and smarter tools.
- Free programming software with fieldbus licenses included
- Access to extended libraries and tools via the CODESYS store
- Eight digital inputs and eight digital outputs are standard on the base unit
- Expansion modules in numerous I/O types and configurations mounted directly to the base unit without the need for a separate backplane
- Expandable with up to eight expansion modules
- Quick connect terminals for I/O, CAN, RS485 and power
- Dual core processor at 1 GHz
- 1 GB RAM
- DIN rail or panel mount



UL File No. 515413



Product Selection & Pricing

PLC500 Series Programmable Logic Controllers

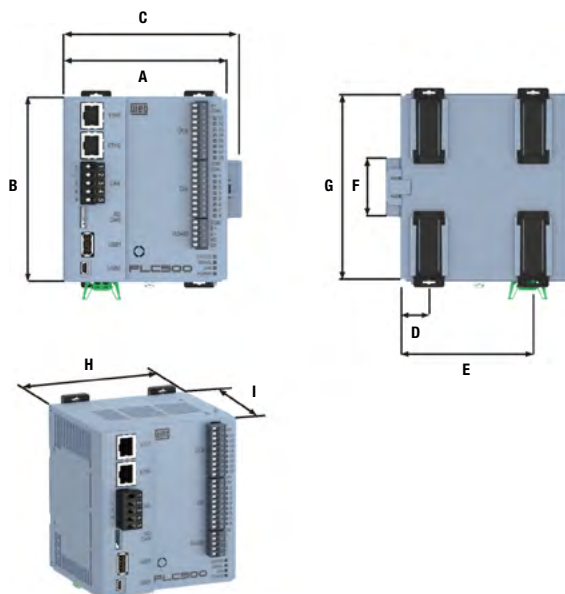
Catalog Number	Description	Digital Inputs	Digital Outputs	Power Supply	Dimensions (in)	Weight (lbs)	List Price	Multiplier
PLC500	Base model	8 PNP @ 24 VDC	8 PNP @ 24 VDC	24 VDC	4.36W x 5.53H x 3.52D	1.19	\$1,492	Z15
PLC500ED	Edge device for use with WEGnology®	8 PNP @ 24 VDC	8 PNP @ 24 VDC	24 VDC	4.36W x 5.53H x 3.52D	1.19	\$1,855	Z15
PLC500MC	Motion controller up to 32 axis	8 PNP @ 24 VDC	8 PNP @ 24 VDC	24 VDC	4.36W x 5.53H x 3.52D	1.19	\$3,295	Z15

PLC500 Accessories

Catalog Number	Image	Description	List Price	Multiplier
14824116		Expansion module port cover	\$205	Z15
18650156		Plug-in connector – female – 2 positions – power plug – 5.08 mm	\$53	Z15
18650157		Plug-in connector – female – 5 positions – RS485 – 3.5 mm	\$27	Z15
18650328		Plug-in connector – female – 5 positions – CAN – 5.08 mm	\$90	Z15
18650151		Plug-in connector – female – 10 positions (1-10) – 3.5 mm	\$53	Z15
18650152		Plug-in connector – female – 10 positions (11-20) – 3.5 mm	\$53	Z15
15074626	-	Cables shielding kit CCS-A MODx	\$53	Z15

For more information on expanding your PLC's I/O capabilities, see the [Expansion Modules](#) section (page 22).

Dimensions



Reference	Dimension (mm)	Dimension (in)	Mounting
A	101.7	4	DIN rail or screw 2 x M3 Ø3.1 mm (0.122 in)
B	115	4.53	
C	110.7	4.36	
D	20.6	0.81	
E	84.7	3.33	
F	35.8	1.41	
G	115	4.53	
H	101.7	4	
I	89.5	3.52	

Technical Data

Versions		PLC500	PLC500ED	PLC500MC
Power Supply		24 VDC (V min: 20.4 VDC / V max: 28.8 VDC)		
		Power supply: minimum recommended capacity 3 A		
		CPU consumption in normal operation: 150 mA (without accessories and without active communication networks). This value may vary due to CPU mounting plus expansion cards.		
Processor		Dual core @ 1 GHz + co-processor @ 200 MHz		
Scan Cycle Time	100 thousand instructions	Total time 1.19 ms		
	Per instruction	0.012 µs		
Memory	RAM	1 GB		
	Flash	4 GB		
	Data	8 MB	64 MB	128 MB
	Code	16 MB	16 MB	32 MB
	Retentive	256 KB		
	Persistent	256 KB		
Maximum Instruction Capacity		Approximately 6 million simple instructions		
Axis Control		N/A	N/A	Up to 32 axis
Digital Inputs (DI)		8 DI x PNP		
		Fast inputs: DI1 to DI4 – 150 kHz per channel		
		Maximum input voltage of 28.8 V		
		High level: VIN ≥ 10 VDC		
		Low level: VIN ≤ 5 VDC		
		Consumption @ 24 VDC: 2.1 mA		
		Insulation voltage: 500 V		
		Maximum number of DIS via expansion boards: 200 points + remote units via Fieldbus		
Digital Outputs (DO)		8 DO x PNP		
		Recommended voltage V+: 24 VDC		
		Maximum voltage V+: 28.8 VDC		
		Maximum frequency of PWM outputs (DO1, DO2 and DO3): 300 kHz		
		Maximum current of outputs DO1 to DO3: 100 mA/output		
		Maximum current of outputs DO4 to DO8: 500 mA/output		
		Maximum number of DOs via expansion boards: 200 points + remote units via Fieldbus		
Communication Ports	Serial CAN	CANopen (master) Maximum number of slaves: 127		
	Serial RS485	Modbus RTU (master/slave) Maximum number of slaves: 247		
	Ethernet	2 x Gigabit Ports 10/100/1,000 (RJ45) – Modbus TCP (master/slave) – Ethernet/IP (adapter) – EtherCAT (client) Eth1 and Eth2 ports have different IP addresses		
	Mini USB device	Program transfer and monitoring by emulating an Ethernet port		
	USB host	USB 2.0 (use with a flash drive)		
	MicroSD card	Maximum 128 GB (optional accessory: 8 GB card code: 16352814)		
Maximum Number of Expansion Cards		8 ¹		
Software		CODESYS® (V 3.5 SP18 or later – free of charge)		
Cloud Solutions		WEG Smart Machine – WEGnology®		
Programming Language		LD (ladder) – ST (structured text) – IL (instruction list) – SFC (sequential function chart) – FBD (function block diagram)		
Operating Temperature		0°C to 45°C (32°F to 113°F)		
Storage Temperature		-25°C to 60°C (-13°F to 140°F)		
Protection Rating		IP20		
Pollution Degree		2 (according to EN 50178 and UL 508C), with non-conductive pollution		
Altitude		1,000 m (3,300 ft) Above 1,000 m to 4,000 m (3,300 ft to 13,200 ft), the output current must be derated by 1% for every 100 m (328 ft)		
Mounting		On DIN rail or on panel with screws		
Certifications		UL, CE, UKCA		
Dimensions (H x W x D)		129.8 mm x 101.6 mm x 106.9 mm (5.11 in x 4 in x 4.2 in)		
Weight		0.540 kg (1.19 lbs)		

Notes:

1) The sum of internal current consumption of MOD modules is limited to 500 mA (PLC500) or 300 mA (RUW200/PLC200) and with a maximum number of eight modules per PLC or Remote I/O unit.

PLC410 Series Programmable Logic Controller

PLC410 leverages a powerful multi-core processor to deliver outstanding performance in an exceptionally compact and modular package. Designed as a communications powerhouse, it seamlessly integrates into many architectures, supporting everything from standard serial and Ethernet protocols to the most advanced, high-speed fieldbus networks. With built-in IoT readiness and fast inputs for precise control, the PLC410 is the high-value, expandable CODESYS® solution for today's most connected and demanding automation tasks.



Standard Features

- Powerful IMX Dual Core 400 MHz processor and 200 MHz coprocessor
- RAM / Flash memory: 256 MB / 4 GB
- Extremely compact and modular design
- Eight digital inputs and eight digital outputs (PNP)
- Four dual-channel high-speed inputs up to 150 kHz
- Protocol support: CANopen, Modbus RTU, Modbus TCP, EtherNet/IP, EtherCAT, and Profinet
- IoT protocols: MQTT
- MicroSD card slot
- Mini USB input for programming
- One 10/100 Ethernet port
- Supports up to eight expansion modules



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Product Selection & Pricing

PLC410 Series Programmable Logic Controllers

Catalog Number	Description	Digital Inputs	Digital Outputs	Power Supply	Dimensions (in)	Weight (lbs)	List Price	Multiplier
PLC410	Base model	8 PNP @ 24 VDC	8 PNP @ 24 VDC	24 VDC	5.18H x 4.35W x 3.89D	0.77	\$1,370	Z15

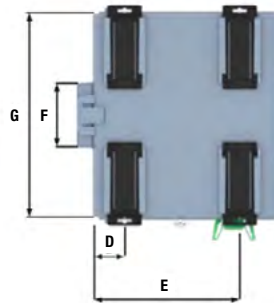
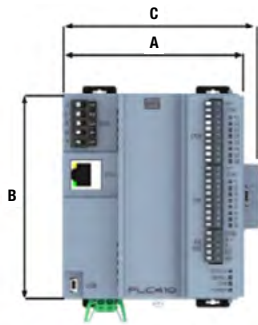
PLC410 Accessories

Catalog Number	Image	Description	List Price	Multiplier
14824116		Expansion module port cover	\$205	Z15
18650156		Plug-in connector – female – 2 positions – power plug – 5.08 mm	\$53	Z15
18650157		Plug-in connector – female – 5 positions – RS485 – 3.5 mm	\$27	Z15
18650328		Plug-in connector – female – 5 positions – CAN – 5.08 mm	\$90	Z15
18650151		Plug-in connector – female – 10 positions (1-10) – 3.5 mm	\$53	Z15
18650152		Plug-in connector – female – 10 positions (11-20) – 3.5 mm	\$53	Z15
15074626	-	Cables shielding kit CCS-A MODx	\$53	Z15

For more information on expanding your PLC's I/O capabilities, see the [Expansion Modules](#) section (page 22).

Dimensions

Reference	Dimension (mm)	Dimension (in)	Mounting
A	101.7	4	DIN rail or screw 2 x M3 Ø3.1 mm (0.122 in)
B	115	4.53	
C	110.7	4.36	
D	20.6	0.81	
E	84.7	3.33	
F	35.8	1.41	
G	115	4.53	
H	101.7	4	
I	89.5	3.52	



Technical Data

Versions		PLC410
Power Supply		24 VDC (V min: 20.4 VDC / V max: 28.8 VDC) Power supply: minimum recommended capacity 2 A CPU consumption in normal operation: 75 mA (without accessories and without active communication networks). This value may vary due to the CPU mounting plus expansion boards.
Processor		Dual Core @400 MHz + Coprocessor @200 MHz
Scan Cycle Time	100 thousand instructions	Total time: 1.5ms
	Per instruction	0.0162 µs
Memory	RAM	256 MB
	Flash	4 GB
	Data	4 MB
	Code	2 MB
	Retentive	256 KB
	Persistent	256 KB
Maximum Instruction Capacity		Approximately 6 million simple instructions
Digital Inputs		8 DI x PNP Fast inputs: DI1 to DI4 – 150 kHz per channel Maximum input voltage 28.8 V High level: VIN ≥ 10 VDC Low level: VIN ≤ 3 VDC Consumption @ 24 VDC: 2.1 mA Insulation voltage: 500 V Max. number of DIs via expansion boards: 200 points + remote units via Fieldbus
Digital Outputs		8 DO (DO1...DO3 – Push-Pull / DO4...DO8 – PNP) Recommended voltage V+ : 24 VDC Maximum voltage V+ : 28.8 VDC Maximum frequency of PWM outputs (DO1, DO2 and DO3): 300 kHz Maximum current of outputs DO1...DO3: 100 mA/output Maximum current of outputs DO4...DO8: 500 mA/output Max. number of DOs via expansion boards: 200 points + remote units via Fieldbus
Communication Ports	Serial CAN	CANopen (master) Maximum number of slaves: 126
	Serial RS485	Modbus-RTU (master/slave) Maximum number of slaves: 246
	Ethernet	1x Port 10/100 (RJ45) – Modbus-TCP (master/slave) – EtherNet/IP (scanner/adaptor) – EtherCAT (client)
	Mini USB device	Program transfer and monitoring by computer on Ethernet port
	USB host	USB 2.0 (use with a flash drive)
	MicroSD card	Max.: 2 TB (optional accessory: 8 GB card)
Maximum Number of Expansion Cards		8 ¹
Software		CODESYS® (V 3.5 SP19 or later – free)
Cloud Solutions		WEG Smart Machine – WEGology
Programming Language		LD (ladder) – ST (structured text) – IL (instruction list) – SFC (sequential function chart) – FBD (function block diagram)
Operating Temperature		0°C to 50°C (32°F to 122°F)
Storage Temperature		-25°C to 60°C (-13°F to 140°F)
Protection Rating		IP20
Pollution Degree		2 (according to EN 50178 and UL 508C), with non-conductive pollution.
Altitude		1,000 m (3,300 ft). Above 1,000 m up to 4,000 m (3,300 ft to 13,200 ft), the output current must be derated by 1% for every 100 m (328 ft)
Mounting		On DIN rail or on panel with screws
Certifications		UL, CE
Dimensions (H x W x D)		131.7 x 110.7 x 99 mm (5.18 in x 4.35 in x 3.89 in)
Weight		0.350 kg (0.771 lbs)

Notes:

1) The sum of internal current consumption of MOD modules is limited to 300mA on the PLC410 and with a maximum number of eight modules per PLC.

PLC200 Series Programmable Logic Controller

PLC200 is a small to medium-sized programmable logic controller, compact in size, robust in performance, and modular in programming. It is a solution that leverages WEG's technology and the WPS® platform's flexibility, enabling the development of efficient, flexible solutions. With high-processing hardware, it is possible to perform tasks such as timing, counting, mathematical operations, interlocking logic, PID control, and much more.

Standard Features

- Extremely compact and modular design
- Powerful ARM cortex M7 400 MHz processor
- Flash Memory / Retentive data RAM / Non-Retentive data RAM – 1 MB / 4 KB / 128 KB
- Eight digital inputs and four digital outputs (PNP)
- Four dual-channel high-speed inputs up to 150kHz
- Support of Ethernet Protocol: Modbus TCP, EtherNet/IP
- Support for Serial: Modbus RTU¹ or CANopen²
- IoT Protocols: MQTT (Publisher/Subscriber)
- USB port for Programming
- One Ethernet port
- One RS485¹ or CAN port²
- Supports up to eight expansion modules



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Notes:





- 1) Support for the Modbus RTU protocol with the model PLC200.
- 2) Support for the CANopen protocol with the model PLC201.

Product Selection & Pricing

PLC200 Series Programmable Logic Controllers

Catalog Number	Description	Digital Inputs	Digital Outputs	Power Supply	Dimensions (in)	Weight (lbs)	List Price	Multiplier
PLC200	Modbus RTU Version	8 PNP @ 24VDC	4 PNP @ 24VDC	24VDC	4.72H x 0.98W x 3.86D	0.77	\$913	Z15
PLC201	CAN Version	8 PNP @ 24VDC	4 PNP @ 24VDC	24VDC	4.72H x 0.98W x 3.86D	0.77	\$913	Z15

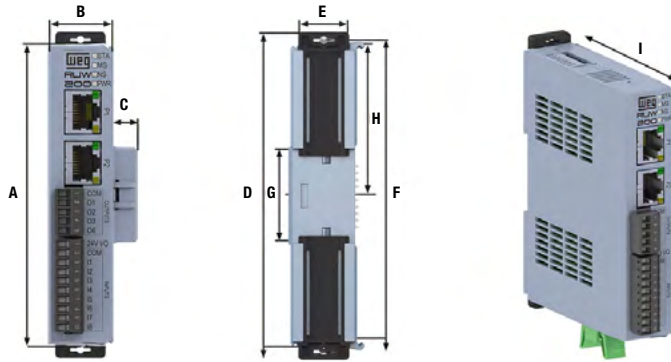
PLC200 Accessories

Catalog Number	Image	Description	List Price	Multiplier
14824116		Expansion module port cover	\$205	Z15
18650156		Plug-in connector – female – 2 positions – power plug – 5.08 mm	\$53	Z15
18650151		Plug-in connector – female – 10 positions (1-10) – 3.5 mm	\$53	Z15
18650152		Plug-in connector – female – 10 positions (11-20) – 3.5 mm	\$53	Z15
17580110	-	Cables shielding kit PLC200/RUW200		Z15

For more information on expanding your PLC's I/O capabilities, see the [Expansion Modules](#) section (page 22).

Dimensions

Reference	Dimension (mm)	Dimension (in)	Mounting
A	115.7	4.56	DIN rail or screw 2 x M3 Ø3.1 mm (0.122 in)
B	25	0.98	
C	34	1.33	
D	123.1	4.84	
E	19	0.74	
F	117.1	4.61	
G	35.5	1.4	
H	57.9	2.28	
I	89.4	3.52	



Technical Data

Versions		PLC200	PLC201
Power Supply		24 VDC (V min: 20.4 VDC / V max: 28.8 VDC)	
		Power supply minimum recommended capacity: 2 A	
		CPU consumption in normal operation: 100 mA (without accessories and without active communication networks). This value may vary due to CPU mounting plus expansion boards.	
Processor		Single Core @ 400 MHz	
Scan Cycle Time	10 thousand instructions	Total time: 2.2 ms	
	Per instruction	220 ns	
Memory	Flash / Source code	1 MB	
	RAM / Volatile data	128 KB	
	RAM / Retentive data	4 KB	
Maximum Instruction Capacity		Approximately 80 thousand simple instructions	
Digital Inputs		8 DI x PNP	
		Fast inputs: DI1 to DI8 – 150 kHz per channel	
		Maximum input voltage 28.8 V	
		High level: VIN ≥ 10 VDC	
		Low level: VIN ≤ 5 VDC	
		Consumption @ 24 VDC: 0.74 mA	
		Insulation voltage: 500 V	
		Max. DI number via expansion boards: 200 points + remote units via Fieldbus	
Digital Outputs		4 DO (DO1...DO4) x PNP	
		Recommended voltage V+: 24 VDC	
		Maximum voltage V+: 28.8 VDC	
		Maximum frequency of PWM outputs: 300 kHz	
		Maximum current of outputs DO1...DO3: 100 mA/output	
		Max. number of DOs via expansion boards: 196 points + remote units via Fieldbus	
Communication Ports	Serial CAN	-	CANopen Maximum number of slaves: 126
	Serial RS485	Modbus RTU (master/slave) Maximum number of slaves: 246	-
	Ethernet	1x Port 10/100 (RJ45) – MQTT / EtherNet/IP (Adapter) / Modbus TCP (master/slave) Maximum number of Modbus slaves: undefined	
	Mini USB device	Program transfer and monitoring	
Maximum Number of Expansion Cards		8 ¹	
Software		WPS®	
Cloud Solutions		WEG Smart Machine – WEGnology	
Programming Language		LD (ladder), ST (structured text)	
Operating Temperature		0°C to 50°C (32°F to 122°F)	
Storage Temperature		-25°C to 60°C (-13°F to 140°F)	
Protection Rating		IP20	
Pollution Degree		2 (according to EN 50178 and UL 508C), with non-conductive pollution	
Altitude		1,000 m (3,300 ft) Above 1,000 m up to 4,000 m (3,300 ft to 13,200 ft), the output current must be derated by 1% for every 100 m (328 ft)	
Mounting		On DIN rail or on panel with screws	
Certifications		UL, CE	
Dimensions (H x W x D)		133.6 x 25 x 98.2 mm (4.72 in x 0.98 in x 3.86 in)	
Weight		0.350 kg (0.771 lbs)	

Notes:

1) The sum of internal current consumption of MOD modules is limited to 300 mA on the PLC200/RUW200 and with a maximum number of eight modules per PLC or Remote IO unit.

RUW200 Remote Unit

RUW200 is a remote unit designed to decentralize and optimize your processes with high precision, enabling flexible and scalable remote I/O solutions. By perfectly integrating into large, decentralized industrial automation systems, the RUW200 concentrates field signals locally and transmits them to the central controller using a single Ethernet cable. This approach reduces cabling and allows for more compact panels, ultimately boosting overall productivity and efficiency.

Standard Features

- Extremely compact and modular design
- Eight digital inputs and four digital outputs (PNP)
- Four dual-channel high-speed inputs up to 150kHz
- Support of Ethernet Protocol: Modbus TCP, EtherNet/IP
- IoT Protocols: MQTT (Publisher/Subscriber)
- USB port for Programming
- Two Ethernet ports
- Supports up to eight expansion modules
- DIP Switches for IP Address Configuration



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Product Selection & Pricing

RUW200 Remote Unit

Catalog Number	Description	Digital Inputs	Digital Outputs	Power Supply	Dimensions (in)	Weight (lbs)	List Price	Multiplier
RUW200	Base model	8 PNP @ 24 VDC	4 PNP @ 24 VDC	24 VDC	4.72H x 0.98W x 3.86D	0.77	\$868	Z15

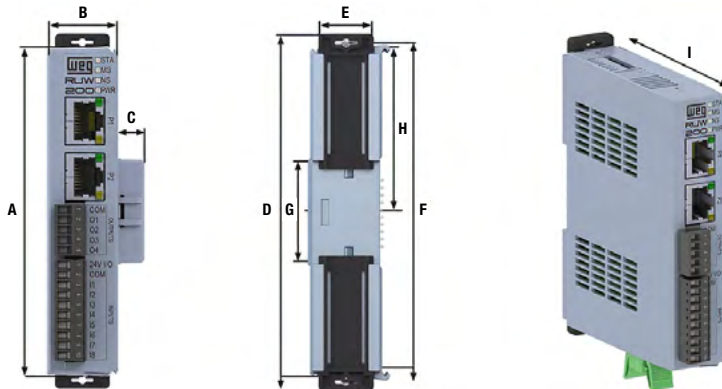
RUW200 Accessories

Catalog Number	Image	Description	List Price	Multiplier
14824116		Expansion module port cover	\$205	Z15
18650156		Plug-in connector – female – 2 positions – power plug – 5.08 mm	\$53	Z15
18650157		Plug-in connector – female – 5 positions – 3.5 mm	\$27	Z15
18650151		Plug-in connector – female – 10 positions (1-10) – 3.5 mm	\$53	Z15
17580110	-	Cables shielding kit PLC200/RUW200		Z15

For more information on expanding your PLC's I/O capabilities, see the [Expansion Modules](#) section (page 22).

Dimensions

Reference	Dimension (mm)	Dimension (in)	Mounting
A	113.6	4.47	DIN rail or screw 2 x M3 Ø3.1 mm (0.122 in)
B	25	0.98	
C	9	0.35	
D	133.6	5.25	
E	18.75	0.74	
F	117.1	4.61	
G	35.5	1.4	
H	56.8	2.23	
I	98.2	3.86	



Technical Data

Versions		RUW200
Power Supply		24 VDC (V min: 20.4 VDC / V max: 28.8 VDC) Power source: minimum capacity recommended 1 A
Communication Ports	Ethernet	2x 10/100 port (RJ45) – MQTT (Pub/Sub) / EtherNet/IP (Adapter) / Modbus-TCP (server) Firmware update / Parameter setting / Program transfer (PLC function)
	Mini USB-C	Firmware update / Parameter setting / Program transfer (PLC function)
Digital Inputs	Fast	8 DI (configurable as 4 dual channel inputs up to 150 kHz)
	Type	PNP
	Maximum input voltage	+28.8 V
	Voltage levels for detection	High level: VIN ≥ 10 V / Low level: VIN ≤ 5 V
	Consumption	24 V: 0.7 mA
	Insulation voltage	500 V
	Max. number of DIs	196 points via expansion boards
Digital Outputs	Type	4 DO (PNP)
	Recommended voltage	+24 V
	Maximum voltage	+28 V
	Maximum current per output	100 mA
	Max. number of DOs	196 points via expansion boards
Software		WPS®
Cloud Solutions		WEG Smart Machine – WEGnology
Operating Temperature		0°C to 50°C (32°F to 122°F)
Storage Temperature		-25°C to 60°C (-13°F to 140°F)
Protection Rating		IP20
Pollution Degree		2 (according to EN 50178 and UL 508C), with non-conductive pollution
Altitude		1,000 m (3,300 ft) Above 1,000 m up to 4,000 m (3,300 ft to 13,200 ft), the output current must be derated by 1% for every 100 m (328 ft)
Mounting		On DIN rail or on panel with screws
Certifications		UL, CE
Dimensions (H x W x D)		133.6 x 25 x 98.2 mm (4.72 in x 0.98 in x 3.86 in)
Weight		0.350 kg (0.771 lb)

Expansion Modules

The MOD expansion card family has been developed as a multi-product platform and can be used with the remote units, the PLC200, the PLC410, and the entire PLC500 family.

Future PLCs will also use the identical MOD cards.

Advantages

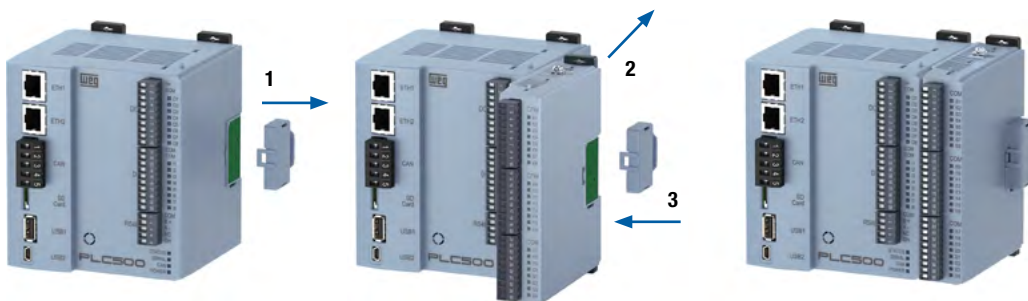
- Less diversity of required stock, at WEG and at the customer.
- Compact modular design, just one inch wide per card.
- Diverse models to meet countless types of applications.



Connecting Expansion Modules

Connecting the expansion modules is quick and straightforward:

1. Remove the module cover.
2. Add the expansion module by sliding it in until it is fully aligned with the back.
3. Attach the cover to the last module.



The user easily and quickly installs the expansion modules on the PLCs or the Remote Unit through the 'Plug & Play' concept. When the PLCs or Remote units are powered up, the electronic circuit identifies the number of connected expansions, their model, and the firmware version of each one. They also receive an address according to their position, allowing them to be accessed through the communication bus.

Accessory Limit

The PLCs and Remote Unit controllers support the connection of up to eight expansion modules. However, there is a limitation on the internal power supply that powers the expansion modules. For the PLC500 models, the total current limit is 500 mA, whereas for Remote Units and other PLC versions, the limit is 300 mA.

To calculate the total internal current consumption, refer to the expansion module table above, which provides the current consumption values for each module, and ensure that your configuration remains within the specified limits.





For more information on the maximum number of supported modules, refer to the User Manual for the respective product, available at www.weg.net.

Product Selection & Pricing

PLC Expansion Modules

Catalog Number	Internal Current Consumption ¹ (mA)	INPUTS					OUTPUTS			Dimensions (in)	List Price	Multiplier
		Digital (PNP or NPN)	Analog (Voltage or Current)	Thermo-couples (J, K & T type)	RTD (Pt100 & Pt1000)	Load Cells	Digital (PNP @ 500mA max)	Analog (0-10 VDC or 0-20 mA)	Analog (0-10 V)			
MOD1.00-24DI	0	24	-	-	-	-	-	-	-	0.98W x 4.56H x 3.52D	\$310	Z15
MOD1.10-24DO	0	-	-	-	-	-	24	-	-	0.98W x 4.56H x 3.52D	\$370	Z15
MOD1.20-16DO8DI	0	8	-	-	-	-	16	-	-	0.98W x 4.56H x 3.52D	\$400	Z15
MOD1.30-8DO16DI	0	16	-	-	-	-	8	-	-	0.98W x 4.56H x 3.52D	\$375	Z15
MOD2.00-7AI	40	-	7	-	-	-	-	-	-	0.98W x 4.56H x 3.52D	\$540	Z15
MOD3.00-8AOVI	150	-	-	-	-	-	-	4	4	0.98W x 4.56H x 3.52D	\$480	Z15
MOD4.00-7TH	0	-	-	7	-	-	-	-	-	0.98W x 4.56H x 3.52D	\$540	Z15
MOD5.00-4RTD	0	-	-	-	7	-	-	-	-	0.98W x 4.56H x 3.52D	\$410	Z15
MOD6.00-2SG	30	-	-	-	-	2	-	-	-	0.98W x 4.56H x 3.52D	\$540	Z15

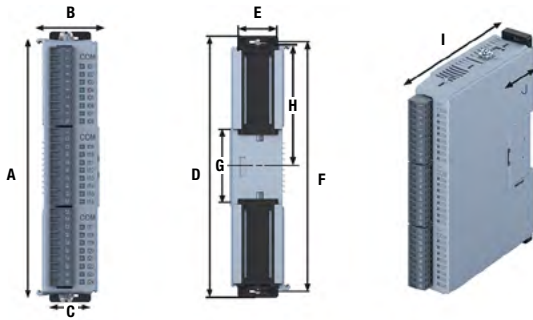
Expansion Module Accessories

Catalog Number	Image	Description	List Price	Multiplier
14824116		Expansion module port cover	\$205	Z15
18650151		Plug-in connector – female – 10 positions (1-10) – 3.5 mm	\$53	Z15
18650152		Plug-in connector – female – 10 positions (11-20) – 3.5 mm	\$53	Z15
18650153		Plug-in connector – female – 10 positions (21-30) – 3.5 mm	\$53	Z15
15074626	-	Cables shielding kit CCS-A MODx	\$53	Z15

Notes:

1) The sum of internal current consumption of MOD modules is limited to 500 mA (PLC500) or 300 mA (RUW200/PLC200) and with a maximum number of eight modules per PLC or Remote I/O unit.

Dimensions



Reference	Dimension (mm)	Dimension (in)	Mounting
A	115.7	4.56	DIN rail or screw 2 x M3 Ø3.1 mm (0.122 in)
B	25	0.98	
C	19	0.74	
D	123.1	4.84	
E	19	0.74	
F	117.1	4.61	
G	35.5	1.4	
H	57.9	2.28	
I	89.4	3.52	
J	31.6	1.25	

Technical Data

Digital Input	Type	Bidirectional (PNP or NPN)
	Maximum voltage input	+28.8 VDC
	Voltage level detection	High level: VIN ≥ 10 V / Low level: VIN ≤ 3 V
	Consumption	24 VDC: 10 mA
	Isolation voltage	500 V
Analog Input	Type	Voltage or Current input
	Voltage range	0-10 VDC differential
	Voltage limits in common mode	-10 -10 VDC
	Current range	0-20 mA
	Resolution	24 bits
Digital Output	Type	PNP
	Recommended voltage supply	+24 VDC
	Maximum voltage	+28 VDC
	Maximum current per output	500 mA
Analog Output	Maximum current	20 mA
	Maximum load	500 Ω
	Resolution	16 bits
Thermocouple Input	Type	J, K, and T
Rtd Input	Type	Pt100 and Pt1000, 2 or 3 wires ¹
Load Cell Input	Type	4 or 6 wires
Operating Temperature		0°C to 45°C (32°F to 113°F)
Relative Humidity		Air: 5-90% without condensation
Protection Degree		NEMA1 / IP20
Pollution Grade		2 (according to EN 50178 and UL 508C), with non-conductive pollution
Altitude		Up to 1,000 m (3,300 ft) (maximum altitude under normal conditions) 1,000 m to 4,000 m (3,300 ft to 13,200 ft): current derating of 1% for each 100 m (330 ft) above 1,000 m (3,300 ft) of altitude

Notes:

1) A 3-wire RTD is required for wire resistance compensation.

CLIC02 Series Programmable Relay

Designed for small to medium-sized applications, the CLIC02 replaces auxiliary contactors, timers, and counters, saving space and simplifying maintenance. In its 3rd generation, the CLIC02 has PID control, advanced math functions, expanded programming capacity, more I/Os and timers, and the ability to act as a Modbus network master.



UL File No. 535719

Standard Features

- 12 VDC, 24 VDC, or 110-220 VAC (50/60 Hz) voltage supply
- Basic units available with 10, 12, and 20 digital input and output points and two or four analog input points (0-10 VDC/12 bits)
- Digital (relay or transistor), analog, or Pt100 input and output expansion modules
- Digital relay (8 A for resistive loads) or transistor (1 A for resistive loads) outputs
- Maximum configuration of up to 44 digital input and output points, four Pt100 points, four analog inputs, and four analog outputs
- Real-time clock
- Two 1 kHz fast inputs
- Two PWM outputs and pulse train 1 kHz
- 4-line x 16-character LCD display
- CLIC02 Edit V3 free programming software
- Programmable in ladder or function block diagram (FBD)
- Capacity of 300 ladder programming lines or 260 function logic blocks
- PID control and arithmetic functions
- Menus in English and six more languages

CLIC02 Catalog Number Sequence

CLW-02 / 10 H R - A 3RD

**CLIC Series 02
Programmable Logic
Controller and Relay**

**Number of Inputs and
Outputs (I/O)**

Generation
3RD = Generation 3

Supply Voltage
A = 110/220 VAC
D = 24 VDC
12D = 12 VDC

Digital Relay Outputs
R = Relay
T = Transistor

Accessories
H = Maximum expansion up to eight modules with clock
V = Same as H, but with option of communication with other CLIC02 and built-in Modbus protocol
E = Expansion unit

Notes:
High-speed counter up to 1 kHz (two channels, in 24 VDC (D) models only).
PWM (pulse train) output 1 kHz on transistor output models only.
Chart intended as reference only and not to create part numbers.

Programmable Relays

CLIC02 Series

Product Selection & Pricing



CLIC02 Programmable Relays

Catalog Number	Description	Digital Inputs	Digital Outputs	Analog Inputs	Power Supply	Communi-cation	Dimensions (in)	Weight (lbs)	List Price	Multiplier
CLW-02/12HR-D	CLIC02 12 I/Os Relay Output 24 VDC	6 (8) ¹	4 (Relay)	2 ¹	24 VDC	-	2.8W x 3.5H x 2.4D	0.50	\$320	Z8
CLW-02/12HT-D	CLIC02 12 I/Os Transistor Output 24 VDC	6 (8) ¹	4 (Transistor)	2 ¹	24 VDC	-	2.8W x 3.5H x 2.4D	0.50	\$360	Z8
CLW-02/20HR-D	CLIC02 20 I/Os Relay Output 24 VDC	8 (12) ¹	8 (Relay)	4 ¹	24 VDC	-	4.9W x 3.5H x 2.4D	0.76	\$450	Z8
CLW-02/20HT-D	CLIC02 20 I/Os Transistor Output 24 VDC	8 (12) ¹	8 (Transistor)	4 ¹	24 VDC	-	4.9W x 3.5H x 2.4D	0.76	\$510	Z8
CLW-02/20VR-D	CLIC02 20 I/Os Relay Output Modbus 24 VDC	8 (12) ¹	8 (Relay)	4 ¹	24 VDC	Modbus RTU	4.9W x 3.5H x 2.4D	0.76	\$540	Z8
CLW-02/20VT-D	CLIC02 20 I/Os Transistor Output Modbus 24 VDC	8 (12) ¹	8 (Transistor)	4 ¹	24 VDC	Modbus RTU	4.9W x 3.5H x 2.4D	0.76	\$580	Z8
CLW-02/20HR-12D	CLIC02 20 I/Os Relay Output 12 VDC	8 (12) ¹	8 (Relay)	4 ¹	12 VDC	-	4.9W x 3.5H x 2.4D	0.76	\$510	Z8
CLW-02/10HR-A	CLIC02 10 I/Os Relay Output 110/220 VAC	6	4 (Relay)	-	100-240 VAC	-	2.8W x 3.54H x 2.4D	0.42	\$350	Z8
CLW-02/20HR-A	CLIC02 20 I/Os Relay Output 110/220 VAC	12	8 (Relay)	-	100-240 VAC	-	4.9W x 3.5H x 2.4D	0.76	\$510	Z8

CLIC02 Expansion Modules

Catalog Number	Description	Power Supply	Inputs		Outputs			Dimensions (in)	List Price	Multiplier
			Digital	Analog	Relay	Transistor	Analog			
CLW-02/8ER-A	Expansion with 4 digital inputs 110/220 VAC and 4 relay outputs	100-240 VAC	4	-	4	-	-	1.5W x 3.5H x 2.3D	\$260	Z8
CLW-02/8ER-D	Expansion with 4 digital inputs 24 VDC and 4 relay outputs	24 VDC	4	-	4	-	-		\$215	Z8
CLW-02/8ET-D	Expansion with 4 digital inputs 24 VDC and 4 transistor outputs	24 VDC	4	-	-	4	-		\$235	Z8
CLW-02/4AI 3RD	Expansion with 4 analog inputs 0-10 VDC / 0-20 mA – 12 bits	24 VDC	-	4	-	-	-		\$515	Z8
CLW-02/4PT 3RD	Expansion with 4 Pt100 inputs – 12 bits	24 VDC	-	4	-	-	-		\$495	Z8
CLW-02/2AO 3RD	Expansion with 2 analog outputs 0-10 VDC / 0-20 mA – 12 bits	24 VDC	-	-	-	-	2		\$425	Z8
MBUS 3RD	Communication module, RS485, Modbus-RTU slave	24 VDC	Communication Module, RS485, Modbus RTU Slave							\$720

CLIC02 Accessories

Catalog Number	Image	Description	List Price	Multiplier
CLW-02/ULINK		Programming Cable CLW-02/ULINK	\$120	Z8
CLW-02/PM05		Memory Module 32 KB for CLIC 02 3RD	\$34	Z8

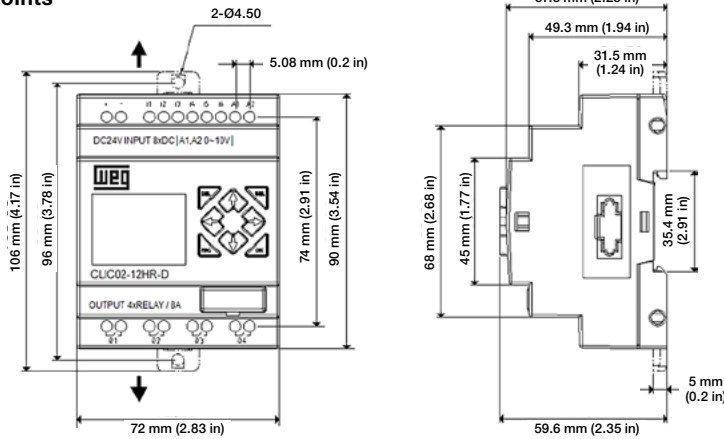
Notes:

1) Analog inputs can be configured as digital inputs. The maximum number of digital inputs, including converted analog channels, is shown in parentheses.

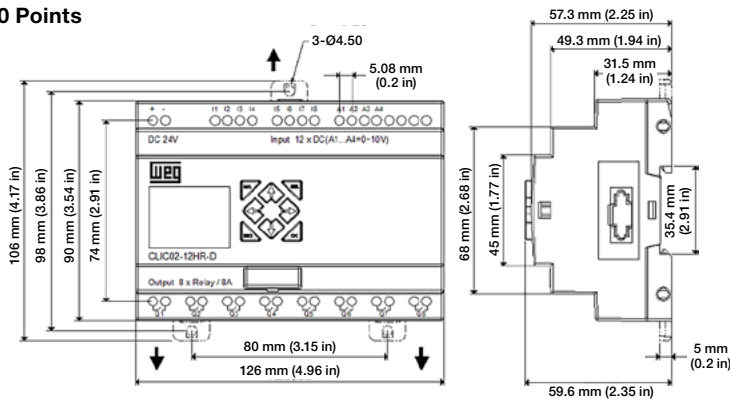
Dimensions (mm)

CLIC02 Programmable Relays

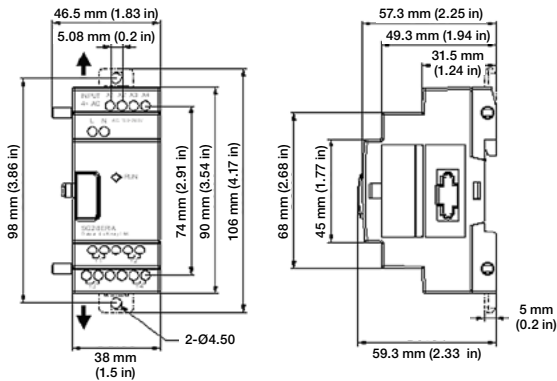
10/12 Points



20 Points



Expansion Modules



Technical Data

Power Supply

	Models	Voltage
Input voltage range	24 VDC	20.4-28.8 VDC
	12 VDC	10.4-14.4 VDC
	VAC Supply	100-240 VAC
	24 VAC	20.4-28.8 VAC
	Models	Current Consumption
Power consumption	24 VDC – 12 points	125 mA
	24 VDC – 20 points	185 mA
	12 VDC – 12 points	195 mA
	12 VDC – 20 points	265 mA
	VAC Supply	100 mA
	24 VAC	290 mA
Installation cable (all terminals)	26 to 14 AWG – 0,13 to 2,1mm ² of section	

Programming

Programming languages	Ladder / FBD
Program maximum size	300 Lines or 260 Function Blocks
Program storage	Flash Memory
Processing speed	10 ms / cycle
LCD display size	4 lines x 16 characters

Timers

Maximum amount of instructions	Ladder: 31; FBD: 250
Adjustable time range	0.01 sec. to 9999 min.

Counters

Maximum amount of instructions	Ladder: 31; FBD: 250
Maximum amount of counting	999999
Resolution	1 unit

RTC (Real Time Clock)

Maximum amount of instructions	Ladder: 31; FBD: 250
Resolution	1 min.
Available time measurement	Week, year, month, day, hour, min.
Available comparisons	Analog Input, Timer, Counter, Temperature Input (AT), Analog Output (AQ), AS, MD, PI, MX, AR, DR and Constant Values

Analog Comparison

Maximum amount of instructions	Ladder: 31; FBD: 250
Available comparisons	Analog Input, Timer, Counter, Temperature Input (AT), Analog Output (AQ), AS, MD, PI, MX, AR, DR and Constant Values

Environmental

Enclosure type	IP20
Maximum vibration	1 G according to IEC60068-2-6
Temperature in operation	-20°C to 55°C (-4°F to 131°F)
Storage temperature	-40°C to 70°C (-40°F to 158°F)
Maximum humidity	90% (Relative, non-condensing)
Vibration	0.075 mm amplitude, 1.0 g accel.
Weight	8 points: 190 g
	10, 12- points: 230 g (type C: 160 g)
	20- points: 345 g (type C: 250 g)
Certifications	CUL, CE, UL

Relay Outputs

Contact material	Silver alloy
Current duty	8 A
HP system – can directly drive motors in this power	120 VAC: 1/3 HP 250 VAC: 1/2 HP 120 VAC: 1/2 HP
Maximum load	Resistive: 8 A / point
	Inductive: 4 A / point
Response time	15 ms (normal condition)
Useful life expectancy	100,000 operations with rated load
Minimum load	16.7 mA

Transistor Outputs

Maximum frequency of PWM output	1 KHz (0.5 ms ON, 0.5 ms OFF)
Maximum frequency of standard output	100 Hz
Voltage specifications	10-28.8 VDC
Current capacity	1 A
Maximum load	Resistive: 0.5 A / point
	Inductive: 0.3 A / point
Minimum load	0.2 mA

Technical Data

Discrete Inputs

	Supply	Current
Power consumption	24 VDC	3.2 mA
	12 VDC	4.0 mA
	100-240 VAC	1.3 mA
	24 VAC	3.3 mA
	Supply	Voltage Level
Voltage signal in input for status "OFF"	24 VDC	< 5 VDC
	12 VDC	< 2.5 VDC
	100-240 VAC	< 40 VAC
	24 VAC	< 6 VAC
	Supply	Voltage Level
Voltage signal in input for status "ON"	24 VDC	> 15 VDC
	12 VDC	> 7.5 VDC
	100-240 VAC	> 79 VAC
	24 VAC	> 14 VAC
	Input Voltage	Response Time
Response time for OFF > ON	24 VDC / 12 VDC	5 ms
	220 VAC	22/18 ms – 50/60 Hz
	110 VAC	50/45 ms – 50/60 Hz
	24 VAC	90/90 ms – 50/60 Hz
	Input Voltage	Response Time
Response time for ON > OFF	24 VDC / 12 VDC	3 ms
	220 VAC	90/85 ms – 50/60 Hz
	110 VAC	50/45 ms – 50/60 Hz
	24 VAC	90/90 ms – 50/60 Hz
Compatibility with transistor devices	NPN, only 3-wire devices	
High speed input frequency	1 KHz	
Standard input frequency	< 40 Hz	
Required protection	Inverted voltage protection	

Analog Inputs

Resolution	Basic unit	12 bits
	Expansion unit	12 bits
Acceptable voltage range	Basic unit	0-10 VDC or 24 VDC (when used as digital input)
	Expansion unit	0-10 VDC or 0-20 mA
Input voltage signal for status "OFF"	< 5 VDC (when used as discrete input 24 VDC)	
Input voltage signal for "ON" status	< 9.8 VDC (when used as discrete input 24 VDC)	
Insulation	None	
Protection against short circuit	Yes	
Available amount	Basic Unit	A01–A04
	Expansion Unit	A05–A08

cMTX Series Human Machine Interface

WEG's cMTx Series HMI (Human Machine Interface) operation interfaces are designed to meet the most diverse automation processes and at different scales of complexity. Available in 7-inch, 10.1-inch, and 15.6-inch versions, its objective is to make the automation of complex production processes more flexible and objective, facilitating seamless integration between humans and machines.



Standard Features

- Available sizes: 7-inch, 10.1-inch, and 15.6-inch
- Capacitive screen for 15.6-inch models
- Built-in PLC activation through CODESYS® activation card
- Remote access to HMI through EasyAccess 2.0 activation card
- MQTT protocol
- Multi-gesture screen
- 4 GB RAM memory
- 1 GB Flash memory
- Wi-Fi connection module support
- Modbus RTU and TCP, CANopen, OPC UA, and SAE 1939.
- Free programming software
 - User-friendly design interface
 - Extensive graphics library
 - Multilingual interface



EasyBuilder Pro






UL File No. 535719

Product Selection & Pricing

cMTX Series Human Machine Interface

Catalog Number	Description	Display Size (in)	Resolution (pixels)	Display Type	Power Supply	Dimensions (in)	Weight (lbs)	List Price	Multiplier
cMT2078x	7-inch Basic HMI	7	800 x 480	TFT Resistive	24 VDC	7.88W x 5.76H x 1.37D	1.32	\$950	Z15
cMT3102x	10-inch Advanced HMI	10.1	1024 x 600	TFT Resistive	24 VDC	10.67W x 8.38H x 1.49D	2.64	\$1,800	Z15
cMT3152x	15-inch Advanced HMI	15.6	1920 x 1080	VA Capacitive	24 VDC	15.7W x 10.3H x 1.08D	3.52	\$3,400	Z15

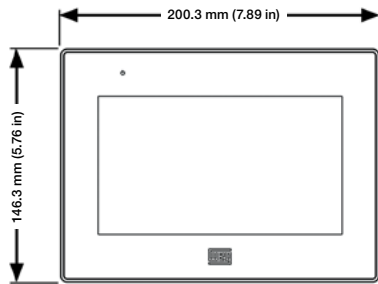
cMTX Accessories

Catalog Number	Image	Description	List Price	Multiplier
13753693		Easy Access 2.0 Activation Card – Software	\$525	Z15
16554149		CODESYS® Activation – Software	\$285	Z15
16280732		Expansion Module Wi-Fi M02 – UL	\$204	Z15

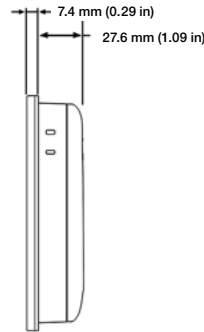
cMTX Series

Dimensions

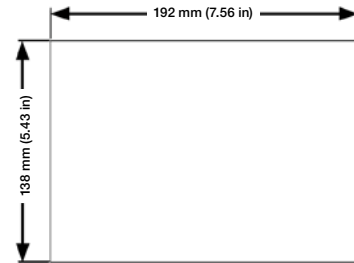
cMT2078x – 7 inch



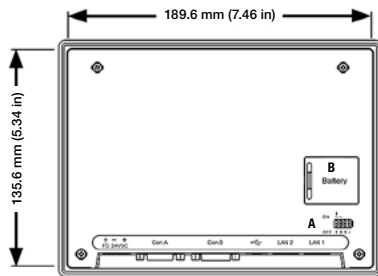
Front View



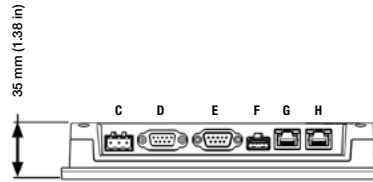
Side View



Panel Cutout Dimensions



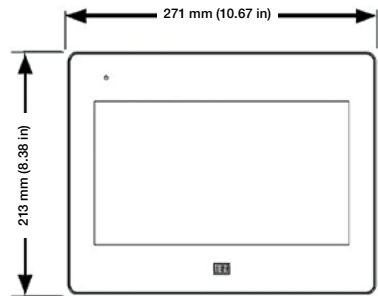
Rear View



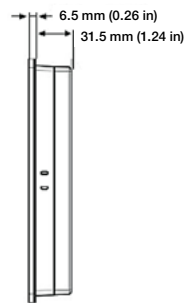
Bottom View

A	DIP switch
B	Battery
C	Power supply
D	Con. A: COM2 RS485 2 wires / 4 wires, COM3 RS485 2 wires
E	Con. B: COM1 RS232 4 wires, COM3 RS232 2 wires
F	USB Host
G	LAN 2
H	LAN 1

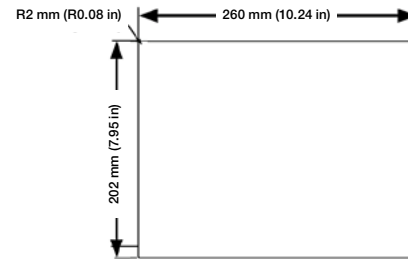
cMT3102x – 10 inch



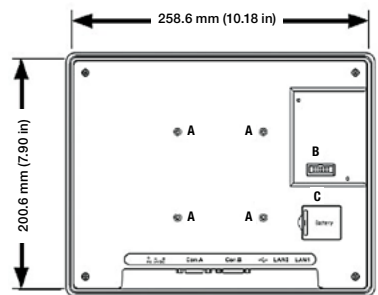
Front View



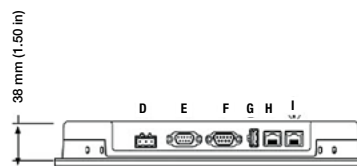
Side View



Panel Cutout Dimensions



Rear View

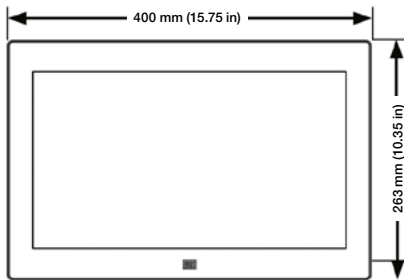


Bottom View

A	VESA 75 standard holes (M4)
B	Wi-Fi module connection
C	Battery
D	Power supply
E	Con. A: COM2 RS485 2 wires / 4 wires, COM3 RS485 2 wires, CAN Bus
F	Con. B: COM1 RS232 4 wires, COM3 RS232 2 wires
G	USB Host
H	LAN 2
I	LAN 1

Dimensions

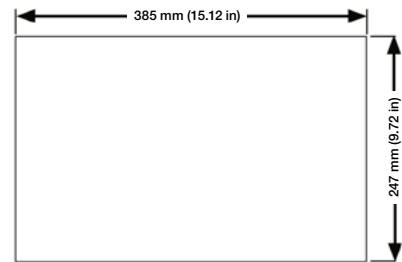
cMT3152x – 15.6 inch



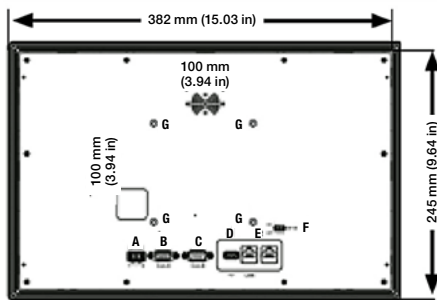
Front View



Side View



Panel Cutout Dimensions



Rear View

A	Power supply
B	Con. A: COM1 RS485, COM3 RS485
C	Con. B: COM1 RS232, COM3 RS232
D	USB Host
E	LAN 1 / LAN 2
F	DIP Switch
G	VESA 100 standard holes (M4)

cMTX Series

Technical Data

Model	cMT2078X	cMT3102X	cMT3162X
Type	Standard	Advanced	
Screen size	7 in (diagonal)	10.1 in (diagonal)	15.6 in (diagonal)
Display resolution	800 x 480 pixels	1,024 x 600 pixels	1,920 x 1,080 pixels
Brightness	400 cd/m ²	350 cd/m ²	300 cd/m ²
LCD type	TFT LCD color		IPS color
Contrast Ratio	800:1		
Back-light type	LED		
Screen life	> 30,000 hours	> 50,000 hours	> 30,000 hours
Number of display colors	16.7 million		16.2 million
Touchscreen type	Resistive		Capacitive
Flash memory	4 GB		
RAM memory	1 GB		
CPU	Quad-core 64-bit RISC 1.5 GHz	Quad-core 32-bit RISC 1.6 GHz	Quad-core 64-bit RISC 2 GHz
COM1	Con. B: RS232 (4 wires)		Con. A: RS485 (2/4 wires) Con. B: RS232 (4 wires)
COM2	Con. A: RS485 (2 wires / 4 wires)		Con. A: RS485 (2 wires)
COM3	Con. A: RS485 (2 wires) / Con. B: RS232 (2 wires)		N/A
Ethernet	10/100 Base-T x 2	10/100/1000 Base-T x 1/10/100 Base-T x 1	
Wi-Fi connection	No	Yes (via MO2 accessory)	No
RTC (real time clock)	Yes		
Power supply	24 VDC ± 20%		
Consumption	820 mA @ 24 VDC	1 A @ 24 VDC	1.3 A @ 24 VDC
Vibration resistance	10-25 Hz (X, Y, Z dir. 30 min.)		
Ambient temperature	0°C to 50°C		
Storage temperature	-20°C to 60°C		
Relative humidity	10-90% (non-condensing)		
External dimensions (W x H x D)	200.3 x 146.3 x 35 mm (7.89 x 5.76 x 1.38 in)	271 x 213 x 38 mm (10.67 x 8.39 x 1.50 in)	400 x 263 x 27.6 mm (15.75 x 10.35 x 1.09 in)
Installation cutout (W x H)	192 x 138 mm (7.56 x 5.43 in)	260 x 202 mm (10.24 x 7.95 in)	384 x 247 mm (15.12 x 9.72 in)
Weight	0.6 kg (1.3 lbs)	1.2 kg (2.65 lbs)	1.6 kg (3.53 lbs)
Protection rating (rear/front)	NEMA4 / IP66		
Certifications	UL, CE		
Editor software	EasyBuilder Pro (free)		
Remote access	EasyAccess 2.0 (optional)		
PLC function	CODESYS® (optional)		

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