

XC152 compact PLC



Lean automation with the XC152 compact PLC for modular machine and remote connectivity applications

The XC152 compact PLC combines plenty of processing power with a number of communication interfaces and options. This makes the XC152 well suited for modular machines and for machine systems that require remote connectivity.

The XC152 PLC can provide machine segment control functions that can be programmed with CoDeSys, while storing module-specific visualizations. These visualizations can be retrieved and shown on a central HMI or a computer as needed.

Some of the XC152 PLCs can connect directly to SmartWire-DT systems. This reduces the complexity of connected I/O devices and improves system capability through diagnostic features.

Flexible solutions for modular machine units

To simplify machine automation, complex processes are split into manageable functional units in order to make programming, production and installation easier. For example, a packaging machine can be divided into infeed, positioning (erector), filling and sealer (gluing) modules.

The powerful XC152 PLC controls individual motor control components connected to the SmartWire-DT system and standard field bus components. Connection to a central control and visualization system is accomplished with data transfers via the Ethernet interface to OPC clients. Remote visualization is also available and can use the same screens that were developed for an XV HMI-PLC application in CoDeSys.

SmartWire-DT®



CODESYS

CANopen

PROFI[®]
BUS

EATON

Powering Business Worldwide



SmartWire-DT

The XC152 PLC connects to the SmartWire-DT system, eliminating the need for point-to-point wiring of control components and simplifying the commissioning process by means of better diagnostic options.

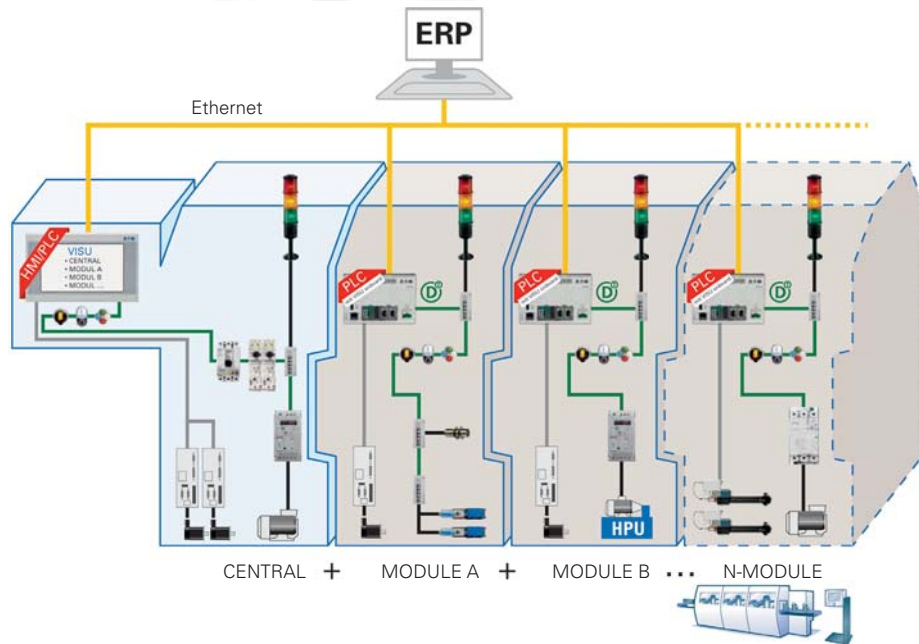
Standard CANopen and PROFIBUS-DP® field bus systems

Servo drives, variable frequency drives and hydraulic components can all be easily connected using the network interfaces available on the XC152 compact PLC.



Remote visualization

The integrated Web visualization function offers a key advantage, displaying the machine diagnostics and visualization information on a central HMI or terminal.



Features

- CoDeSys PLC and Web visualization
- Galileo/CoDeSys remote visualization
- Ethernet port on all models
- Windows® CE 5 real-time operating system
- 32-bit RISC CPU at 400 MHz
- 64 MB internal memory
- SD card slot for external memory
- Run/Stop switch
- Optional: integrated SmartWire-DT gateway for 99 nodes
- Optional: RS-232, RS-485, PROFIBUS-DP/MPI, CANopen/easyNet

XC152 PLC

CoDeSys Firmware	Fieldbus Type	RS-232	RS-485	Ethernet	Catalog Number
Yes	CANopen	Yes	Yes	Yes	XC-152-D6-11
Yes	PROFIBUS-DP	Yes	Yes	Yes	XC-152-D8-11

XC152 PLC SmartWire-DT

CoDeSys Firmware	Fieldbus Type	RS-232	RS-485	Ethernet	SmartWire-DT	Catalog Number
Yes	None	Yes	None	Yes	Yes	XC-152-E3-11
Yes	CANopen	None	Yes	Yes	Yes	XC-152-E6-11
Yes	PROFIBUS-DP	None	Yes	Yes	Yes	XC-152-E8-11

Eaton
1000 Eaton Boulevard
Cleveland, OH 44122
United States
Eaton.com

© 2013 Eaton
All Rights Reserved
Printed in USA
Publication No. PA050001EN / Z14029
September 2013

Eaton is a registered trademark.

All other trademarks are property of their respective owners.