ControlLogix Compute Module

Logix performance and a commercial operating system in a single hardware platform.

The Allen-Bradley® ControlLogix® Compute module provides in-chassis, high-speed computing functionality with access to the ControlLogix processor via the backplane. Customers can now collect data at the source to make real-time decisions and increase productivity.

The module offers the flexibility to create custom applications within the Windows 10 IoT Enterprise or Linux operating systems as well as using off-the-shelf applications to enhance their automation systems.

Features & Benefits

Enhanced performance, in-chassis computing functionality.
- Provides high-speed access to the ControlLogix controller over the backplane
- Integrated DisplayPort for direct connection to a high-definition VersaView® industrial monitor
- Provides computing capability in a ControlLogix chassis

Scalable Computing Offering

Leverages the value of the data that already exists across the manufacturing floor to help you access it when and where you need it.

- Places the compute product closer to the source of the data, which allows you to make quicker, more informed decisions and results in increased productivity

- Combines industry-leading automation technologies with the robust Windows 10 IoT Enterprise and Linux operating system

- Allows customers to take advantage of Rockwell Automation® design and visualization software, along with third-party Windows 10 applications

- Available in in-cabinet, in-chassis or in-controller computing for your application needs

VersaView 5000 Industrial Computers

In-cabinet Computing

Increased processing power in a robust platform for industrial environments

- Run multiple, standalone plant floor applications in industrial environments with confidence and visibility

- Meet the high demands of HMI applications with our quad-core industrial PCs

- Integrated DisplayPort for direct connection to a high-definition VersaView 5100 industrial monitor

ControlLogix Compute Module

In-chassis Computing

Compute capability in the ControlLogix Family

- High-speed access to the ControlLogix controller over the backplane

- Integrated DisplayPort for direct connection to a high-definition VersaView industrial monitor

- Provides computing capability in a ControlLogix chassis

CompactLogix 5480 Controller

In-controller Computing

High-performance control and computing capability in a single hardware platform

- Logix controller with Windows 10 IoT Enterprise in parallel

- Built-in RSLinx communications between Logix and the operating system

- Integrated DisplayPort for direct connection to a high-definition VersaView 5100 industrial monitor

ControlLogix 1756 Compute Module

CPU	Intel Atom Dual-core 1.46 GHz processor
Storage	32 GB mSATA (approx. 20 GB free space)
RAM	4 GB
Fans	No
OS	Windows 10 IoT Enterprise 64-bit, Linux 32-bit
Ports	(1) USB 3.0, (2) GbE
Monitor Interface	DisplayPort
Operating Temp	-25 - 60 ^{o}C (Series C Chassis), -25 - 50 ^{o}C (Series B Chassis)
Mounting	ControlLogix chassis
Certifications	CE, CULH, KCC, RCM, ULH, EU WEEE, China RoHS

Catalog Number	Description
1756-CMS1B1	Dual-core, 32 GB SSD, Windows 10 IoT Enterprise 64-bit, No bundled SW/FW
1756-CMS1C1	Dual-core, 32 GB SSD, Linux 32-bit (Debian 8.9), No bundled SW/FW

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