



4119

Triconex Enhanced Intelligent Communication Module

Product scope

- Provides four concurrent serial communication ports.
- Supports Modbus RTU or ASCII and the TriStation interface.
- Includes a Centronics parallel printer connection.
- The configured module is the 4119 EICM used for multiport serial integration with a Tricon controller.

Official source basis

Schneider Electric / Triconex Tricon Product Guide, Enhanced Intelligent Communication Module section.

Technical facts are limited to the identified manufacturer documentation and the exact ordering configuration shown above.

Request a fast quote	Product reference	
Email: info@apterpower.com Phone: +86 18106909650 apter.com/inquiry.php	Triconex 4119	

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4119 technical profile

Triconex 4119 is the Enhanced Intelligent Communication Module for serial data exchange in a Tricon system. Its four configurable ports support controller access by Modbus masters or slaves and TriStation engineering stations.

A separate Centronics parallel interface permits printer output while the serial ports continue operating. Numeric Modbus aliases assigned in TriStation map external register requests to named Tricon program variables.

Check whether the installed system calls for 4119 or isolated 4119A hardware, then preserve port electrical standards, alias tables and node settings. The EICM occupies the documented communication logical slot and does not use a hot-spare pair.

Selection notice

4119 has no hot-spare mode; back up Modbus aliases, port modes and cabling before online replacement of a faulty communication module.

Technical specifications

Serial ports	4
Serial standards	RS-232 / RS-422 / RS-485
Parallel ports	1 Centronics
Supported protocols	TriStation / Modbus
Modbus framing	RTU or ASCII
RS-485 slave capacity	Up to 32 slaves
RS-485 trunk length	Up to 4000 ft / 1200 m
Aggregate data rate	57.6 kbit/s
Concurrent operation	All serial and parallel ports
Maximum EICMs per system	2
Logical-slot rule	Both EICMs in one logical slot
Hot spare	Not supported
Online replacement	Supported for a faulty module
Variable mapping	Five-digit Modbus aliases
Supported Modbus functions	01, 02, 03, 04, 05, 06, 07, 08, 15, 16
Communication role	Master or slave by port
Module logic load	10 W class in Tricon power planning
Operating temperature	0 to 60 °C
Storage temperature	-40 to 85 °C
Relative humidity	5 to 95%, non-condensing
Installation environment	Industrial control enclosure

Application and integration notes

Communication & Connectivity	• Four serial ports can be assigned to RS-232, RS-422 or RS-485 communication. • Modbus exchanges are available in RTU or ASCII framing. • The parallel port provides the documented Centronics printer interface.
Interoperability	• Standard Modbus hosts can reach Tricon variables after valid numeric aliases are assigned. • RS-485 supports a multidrop trunk rather than the point-to-point limit of RS-232. • A Tricon system supports no more than the documented EICM count and logical-slot arrangement.
Configuration	• Each serial port receives its own address, protocol role and communication rate. • TriStation 1131 is used to assign aliases that translate controller variable names into Modbus addresses. • The aggregate serial data rate must remain within the module limit when multiple ports operate together.

Request product documentation and quotation support

Send the complete label, system configuration, quantity and destination.



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