

TRICON EICM COMMUNICATION

Product Data Sheet

4119A

Enhanced Intelligent Communication Module

SERIAL 4 ports	PARALLEL 1 port	PROTOCOL Modbus / TriStation	POWER <10 W
--------------------------	---------------------------	--	--------------------------

Triconex 4119A is an Enhanced Intelligent Communication Module that connects a Tricon controller to Modbus masters or slaves, a TriStation PC, and a Centronics-compatible printer.

01

VERIFIED TECHNICAL DATA

Product type	Enhanced Intelligent Communication Module
Serial ports	Four concurrent ports
Serial interfaces	RS-232, RS-422 or RS-485
Port isolation	500 VDC
Parallel interface	Centronics printer port
Protocols	TriStation and Modbus
Modbus modes	RTU or ASCII
Aggregate data rate	57.6 kbit/s maximum

02

ADDITIONAL VERIFIED DATA

Communication speeds	1200, 2400, 9600 or 19,200 baud
Logic power	<10 W
Slot keying	Communication slot keys: top 002, bottom 001
Source	Tricon v9-v10 Planning and Installation Guide

03

ENGINEERING NOTES

- Match each serial port to the documented RS-232, RS-422 or RS-485 pin-out.
- Keep the aggregate data rate for all four serial ports at or below 57.6 kbit/s.
- Assign aliases to control-program tagnames used by Modbus devices.
- Verify cable shielding, termination, isolation and port addressing before enabling communication.
- Verify PASS, FAULT and ACTIVE module-status indicators.
- Confirm TX and RX activity on every configured serial port.
- Test the selected Modbus RTU or ASCII functions from the connected master and slave devices.
- Confirm TriStation access and printer operation only on the ports assigned for those services.

Verify the exact model, slot keying, field wiring and controlled application before replacement.