'C' Programmable Application Development Module

5102-ADM4

The ProLinx 'C' Programmable Application Development Module provides a powerful platform for bridging communications between your custom serial protocols. This stand-alone DIN-rail mounted protocol gateway provides four fully programmable serial ports.

ADM

The ADM API Suite allows software developers to access the serial ports without needing detailed knowledge of the module's hardware design. The ADM API Suite consists of two distinct components: the Serial Port API and the ADM API.

Applications for the ADM module may be developed using industry-standard DOS programming tools and the appropriate API components.

The ADM functionality allows the module to be programmed to accommodate devices with unique serial protocols. The module includes General Software Embedded DOS 6-XL. This operating system provides DOS compatibility along with real-time multitasking functionality. DOS compatibility allows user applications to be developed using standard DOS tools, such as DigitalMars and Borland compilers.

Development Environment

- Operating system: General software DOS 6-XL
- Compatible compiler (16-bit DOS target)
  - Digital Mars C++ V8.49 (included)
  - Borland C++ V5.02

Application Programming Interfaces (API)

- Serial Port API: serial port functions
- Backplane API: low level backplane functions
- ADM API debug port functions: debug port functions, database functions timer functions, high level backplane transfer functions, LED functions, flash read functions

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The ProLinx Application Development Modules are the ideal solution for developing custom communication between your serial protocol networks and devices. Using the provided API, the module can be used as a bridge, a port splitter, or any of several other useful applications. Each port is individually programmable.

How to Contact Us: Sales and Support

All ProSoft Technology® products are backed with unlimited technical support. Contact our worldwide Technical Support team directly by phone or email:

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General Specifications

The ProLinx Communication Modules provide connectivity for two or more dissimilar network types. The modules, encased in sturdy extruded aluminum, are stand-alone DIN-rail mounted protocol gateways, providing communication between many of the most widely used protocols in industrial automation today.

Hardware Specifications

Specification	Description
Power Supply	24 VDC nominal
	18 to 36 VDC allowed
	Positive, Negative, GND Terminals
	2.5 mm screwdriver blade
Current Load	500 mA max@ 24 VDC
Operating Temperature	−20 to 50°C (−4 to 122°F)
Storage Temperature	−40 to 85°C (−40 to 185°F)
Relative Humidity	5 to 95% (non-condensing)
Dimensions	Standard: 5.20H x 2.07W x 4.52D in. (13.2cmH x 5.25cmW x 11.48cmD)
	Extended: 5.20H x 2.73W x 4.52D in. (13.2cmH x 6.934cmW x 11.48cmD)
LED Indicators	Power and Module Status
	Application Status
	Serial Port Activity LED
	Serial Activity and Error LED Status
Configuration Serial Port	DB-9M RS-232 only
	No hardware handshaking
Ethernet Port (Ethernet modules only)	RJ45 Connector
	Link and Activity LED indicators
Application Serial Ports	RS-232/422/485
	RS-232 handshaking configurable
	RS-422/485 screw termination included
Serial Port Isolation	2500V RMS port signal isolation per UL 1577
	3000V DC min. port to ground and port to logic power isolation
Shipped with Each Unit	Mini-DIN to DB-9M serial cables
	4 ft RS-232 configuration cable
	2.5mm screwdriver
	CD (docs and Configuration utility)
	RS-422/485 DB-9 to Screw Terminal Adaptor (1 or 4, depending on ports)

Additional Products

ProSoft Technology offers a full complement of hardware and software solutions for a wide variety of industrial communication platforms.

Visit our web site at http://www.prosoft-technology.com for a complete list of products.

Ordering Information

To order this product, please use the following:

5102-ADM4   'C' Programmable Application Development Module

To place an order, please contact your local ProSoft Technology distributor. For a list of ProSoft distributors near you, go to http://www.prosoft-technology.com

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