

DL05/06 CoProcessor Module

Triple-port BASIC CoProcessor

F0-CP128 <---->



Overview

The BASIC CoProcessor Module interfaces the DL05/06 family of programmable controllers with bar code readers, operator interface terminals, instrumentation equipment, computers and other serial devices.

BASIC CoProcessor applications

BASIC CoProcessors are designed for use with intelligent devices such as:

- Bar code readers
- Welders
- Board level controllers
- Serial printers
- Intelligent sensors
- Almost any device with an RS-232 or RS-485 port

They are also good solutions for applications requiring complex math, such as floating point math, sine, cosine, tangent, exponential, square roots, etc.

Features

- FACTS Extended BASIC and ABM Commander for Windows software for IBM PCs makes program development fast and simple. (The software is included with the CoPro module on CD-ROM). It allows online, full-screen BASIC program editing and the ability to upload/download programs on disk. The included CD has Modbus master and slave BASIC programs and other application examples.
- Non-volatile memory of up to 128K allows multiple program storage and execution, DL05/06 register expansion, and retentive data storage and retrieval.
- 100 MHz BASIC CoProcessor provides fast program execution independent of the CPU scan.
- Three buffered ports permit communication from the module to three external devices.
- The module is programmable from port 1 or 3 for complete serial port utilization without switching cables.
- A real-time clock/calendar maintains time/date with battery backup when power outages occur.
- Programmable time based BASIC interrupts to 5 ms.

- Direct access of up to 256 bytes of DL05/06 CPU memory per scan is possible. No supporting ladder logic is required.
- Floating point math solves complex formulas to eight significant digits.
- An RJ12 Port 1 and Port 3 splitter, included with the module, provides easy connection of RS-232 cables to both Port 1 and Port 3. (If you are using RTS1 and CTS1 for port 1, then port 3 is not available.)

Included with CoPro

The following items are included with the F0-CP128 module:



- ABM Commander CD-ROM
- 7 ft. 6P6C-to-6P6C cable (phone-style RJ12 connectors)
- 9-pin D-sub connector (9-pin female to RJ12) to adapt to PC comm port
- RJ12 port splitter

