

# 1746-BAS-T

## High Performance Basic Module



### Product Profile

#### Faster Response for Demanding Applications



#### Accelerated Performance

The SLC-500 High Performance BASIC Module (1746-BAS-T) has been supercharged to support your most demanding communication interface applications. The High Performance BASIC Module's response has been accelerated to 4X that of the original SLC-500 BASIC Module (1746-BAS). The 1746-BAS-T uses the same PBASE programming software and offers the same BASIC language set and hardware specifications as the original SLC-500 BASIC Module.

#### Multiple Communication Ports

Both BASIC modules require a single slot in an SLC 500 modular controller rack. Each module contains three communication ports, 24KB of battery-backed RAM, and eight LEDs for operator Interface. A socket is available for a standard SLC 500 8KB or 32KB memory module for non-volatile storage of user programs. A clock/calendar is available for time stamping functions on report data.

#### Ideal for Remote Communication Applications

The SLC-500 BASIC Modules (1746-BAS and 1746-BAS-T) and the corresponding PBASE development software give the SLC-500 users the power to interface to applications requiring remote communication. These BASIC modules allow users to program in BASIC and interface with computers, modems, printers, barcode scanners, and other third party devices.



The BASIC Modules have built-in software features that add to the convenience of your system:

- SLC 500 backplane data read/write support using I/O image table transfers
- "CALL" functions to simplify data transfer between SLC 500 processors, BASIC module memory, and BASIC module communication ports
- Floating point calculations and conversions, including CALLs to convert the BASIC module floating point format directly to the SLC 500 processor's floating point format
- Memory modules for program execution
- Full set of trigonometric function instructions

AB PLCs



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## 1746-BAS-T Specifications

Description	Specification
Power Supply Loading at 5V dc	0.150 A (BASIC module only) 0.150 A (BASIC module with link coupler)
Power Supply Loading at 24V dc	0.040 A (BASIC module only) 0.125 A (BASIC module with link coupler)
Port Isolation Port PRT 1 Port PRT 2 Port PRT 1 to Port PRT 2	500V dc (Backplane to port) 500V dc (Backplane to port) 500V dc (Port PRT1 to Port PRT2)
Ambient Temperature Rating	Operating: 0° to +60° C (+32°F to + 140°F) Storage: -40°C to +85°C (-40°F to +185°F)
Humidity	5 to 95% without consideration
Clock/Calendar Accuracy	+/- 1 minute/month at 25°C +0, -6 minute/month at 60°C
Agency Certification	UL listed CSA approved Class 1, Division 2, Groups A, B, C or D CE compliant for all applicable directives

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