Hardbook SoftPLC™ Processor

Model HB*x-x*

Two Examples Hardbook Models of 10 Available

General Description

Hardbook SoftPLC's are open architecture controller CPU's that can connect to a wide variety of I/O and communication networks. Hardbook SoftPLC's are customized at the factory to application specific configurations and include hardware assembly, driver installation, system software configuration, and system level testing.

Hardbook SoftPLC models differ only in the discrete I/O capacity (see table). Analog or special purpose module I/O channels allowed are limited only by the selected hardware, not the SoftPLC. For Tealware I/O, allow for 16 discrete points for every 4 analog channels, input or output respectively based on the module type. For Allen-Bradley Remote I/O, allow for 16 discrete input points and 16 discrete output points per block transfer module.

Hardbook SoftPLC Features

Hardbook SoftPLC's include the rich set of functions provided by SoftPLC Control Software, including:

◆ Powerful Ladder Logic instruction set
◆ Loadable Instructions for specialized or user-written functions
◆ Unlimited user application memory for logic and data table
◆ All application documentation resides in the SoftPLC CPU
◆ Wide variety of I/O Drivers - ModbusTCP, Tealware™, Profibus, DeviceNet, A-B RIO, many others
◆ Communication Drivers – A-B Ethernet, DF1, Modbus serial, ModbusTCP/UDP, others
◆ Compatible with all HMI/SCADA products
◆ Embedded Gatecraft™ Firewall technology
◆ Ladder logic/data table addressing similar to Allen-Bradley PLC-5/ SLC-500 with import/conversions available

Hardware Features

◆ Multiple Ethernet, Serial and USB communication ports
◆ Heavy Duty Metal Enclosure with mounting brackets
◆ Fanless operation
◆ 256/512MB RAM standard *(expandable on some models)*
◆ Removable Compact Flash, 128MB standard *(up to 8GB available)*
◆ Expansion slot for add-in I/O or industrial network interface cards *(varies by model)*

Available Models & I/O Capacities

Catalog Number	Discrete Inputs	Discrete Outputs
HB*x*-LT	up to 128	up to 128
HB*x*-1K	up to 1024	up to 1024
HB*x*-2K	up to 2048	up to 2048
HB*x*-8K	up to 8192	up to 8192