

Mini Hardbook SoftPLC™ Processor

Cat. No. HB-MOLA-x

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.

Mini 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



Front View

- ? Wide variety of I/O Drivers - ModbusTCP, Tealware™, Modbus Serial, and 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
- ? (2) Ethernet ports, (1) Serial, (2) USB communication port
- ? Heavy Duty Metal Enclosure
- ? Fanless operation
- ? Removable Compact Flash

Available Models & I/O Capacities

Catalog Number	Discrete Inputs	Discrete Outputs
HB-MOLA-LT	up to 128	up to 128
HB-MOLA-1K	up to 1024	up to 1024
HB-MOLA-2K	up to 2048	up to 2048

Mini Hardbook SoftPLC Specifications

Hardbook HB-M0LA-x Specifications	
System Hardware	
CPU	1.2GHz
Memory	512MB DDRAM
Storage	128MB removable Industrial Compact Flash card, expandable to 8GB
Expansion/Options	Internal Wireless Modem option
I/O Interfaces	
Ethernet	(2) 10/100MB ports, RJ45
Serial	(1) RS-232 port, 9 pin D-sub
USB	(2) USB 2.0 ports
Power Supply	
Type	External 20W AC Adapter included , (optional) Din Rail Mount Power Supply (ICO-PS4005)
Output Voltage	5VDC
Input	100-240VAC input, 50/60 Hz
Enclosure	
Construction	Heavy Duty Metal, Fanless
Dimensions(LxWxH)	6.7 x 4.84 x 2.21 in 170 x 123 x 56 mm
Weight (approx.)	2.1 lbs 970 g
Environmental	
Operating Temp	0 ~ 60°C 32 ~ 140°F
Humidity	0 ~ 90%, non-condensing
Standards	CE/FCC/RoHS

Recommended Options	
ICO-PS4005	Din Rail Mount Power Supply, 30W, 5VDC
SPZ-WEB	SoftPLC Embedded Web Server
GCL-x	Gatecraft™ Link Industrial Ethernet Switch
ICO-SSx	Surge Suppression Equipment
TDNG-FN-x	TOPDOC NexGen Development/Maintenance Software