ControlLogix Special Application Module

OVERVIEW

56SAM enables you to integrate Linux programs with Allen-Bradley ControlLogix PAC applications. It is a high performance tool available to meet new PC-based applications that influence today’s control system designs. In addition to standard PC functionality, the 56SAM module has factory floor specific functions including:

- High-speed ControlLogix backplane interface
- Reliable fanless operation
- Compact space-saving design

FEATURES

- Accesses data directly from ControlLogix high-speed backplane
- Additional communications via two independent 10/100 Mbps Ethernet Ports
- Designed with PAC/PLC environmental
- Floating point support
- Packaged as a single slot ControlLogix module

PROCESSOR

CPU: AMD LX800 500 MHz x86

Memory: System... 512 MB DDR-333 up to 1 GB
         Cache... 128K L1 / 128K L2
         Battery-backed – 512 KB SRAM
         One CF sockets...Type 1&2 w DMA

Ports: Ethernet....Two 10/100M
       Serial...One isolated COM1
       RS232/422/485 jumper selectable
       VGA Port
       Keyboard...USB
       Mouse........USB
       USB Host.....Two USB 2.0/1.1 High Speed

Jumpers: COM1 RS232/422/485
         Battery Enable/Clear CMOS

BENEFITS

- Fastest possible access for reading and writing data from a PC-based application to the PLC
- Enables communications to other systems such as enterprise/plant applications and HMI
- Robust...built for the factory floor
- Supports advanced calculations
- Saves space by physically integrating with PLC

CHARACTERISTICS

Operating System: Linux

BIOS: General Software

Battery: Rechargeable lithium

Clock: RTC accurate to +/− 4 minutes/year

LED Display: ControlLogix Alphanumeric

Certifications: CE
ENVIRONMENTAL

Temperature:  
- Non-operating: -40°C to +80°C  
- Operating: 0°C to +60°C

Humidity:  5 - 95% non-condensing

Vibration:  2g @ 10 - 500Hz

Shock:  
- Non-operating: 50g  
- Operating: 30g

Form Factor:  ControlLogix single-slot module

Power Ratings:  5 VDC

Power dissipation:  7 W

About Softing Inc.

As of January 1, 2015, the official North America company name for Softing Industrial Automation is Softing Inc.

For over 35 years, the core business of Softing Industrial Automation has been industrial data communication with products ranging from chips & stacks up to dedicated gateways and data transfer modules.

Softing acquired Psiber Data GmbH and OLDI in 2014. Psiber Data sells cable testing products. OLDI is an Original Design Manufacturer (ODM) that designs and sells PAC/PLC modules under other company brands and a few with the OLDI brand. OLDI as a company will continue as an ODM.

OLDI and Psiber Data products will transition to the Softing brand in 2016.