AppSrvCE Application Development Module
7000-ADM

The ProLinx 7000 series AppSrvCE Application Development Module is a highly flexible product that delivers programmability, communication protocols, and a powerful embedded historian. The module functionality is fully customizable and programmable using the EZ Design Studio software. Additionally, real-time data can easily be stored on the device using the integrated data historian. The AppSrvCE is the ideal solution for applications requiring custom 'C' programming, emissions monitoring and pharmaceutical manufacturing, or remote applications like utility RTUs, compressor monitoring and facilities monitoring.

How to Contact Us: Sales and Support

All ProSoft Technology® products are backed with unlimited technical support. Contact our worldwide Technical Support team directly by phone or email:

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Historian
The AppSrvCE uses licensed software technology from OSIsoft to deliver an integrated data historian. The AppSrvCE can log real-time data at sub-second speed accessible using OSIsoft's PI product. Additionally, data can be accessed via an OPC HDA server. This historical data is ideal for sequence-of-event recording, process optimization and compliance reporting (FDA, EPA, etc.)

Features
AppSrvCE is available with the following standard features. Additional and modified features are available.

- Supports all five IEC programming languages: Relay Ladder Logic, Sequential Function Chart, Function Block Diagram, Structured Text, and Instruction List
- 'C' for integration of custom code
- Drag-and-drop/menu driven editors enable rapid program development, reduce typing and syntax errors
- Object libraries make code reuse simple and efficient
- Easy debugging - Simulates code execution on the development station
- On-line monitoring with code selecting and real-time variable update
- Watch, Force I/O values and memory tags
- Supports complex data structures:
  - Three dimensional arrays
  - User defined structures

- Configuration tools for I/O drivers and communication protocols are managed from within EZ Design Studio. The multi-tasking execution engine allows for multiple tasks and priority levels including:
  - Cyclic tasks
  - Continuous task, background priority
  - I/O Sync task, execution sync. with I/O scan
  - Fault task, runs when a fault condition occurs
  - Start-up task, runs once prior to setting outputs to initialize machine state

- AppSrvCE is an industrial platform with no rotating media
- Standard TCP/IP networking between the node and workstation enables:

- o Remote program downloading
- o Remote monitoring
- o Remote node Start/Stop
- o Multi-node management

Module Features

Operating System	Microsoft Windows CE .NET.
Processor	300 MHz x 86 processor
Storage	32 Mbytes "Disk-on-a-Chip"
SDRAM	32 to 256 Mbytes
SRAM	Battery-backed (512 Kbytes)
Timers	(3) general purpose 16-bit , (1) Watchdog timer
IDE Interface	Type I/II compact flash socket. Supports compact flash. IBM micro-drive, rotating media. Only Industrial Grade Compact Flash should be used.
Clock	Battery-powered, real time
Software	EZ Design Studio automation software for IEC 61131-3 programming
Protection	DataSafe™ enabled, restores realtime data after a power failure
Status LEDs	(9), 4 user defined, 5 system status

Standard PC Connections

USB	Two USB 1.1 host interface ports. 1.5 and 12 Mbps. data rates
Ethernet	Two Ethernet ports, both are 10/100 Base-T. IEEE 802.3 compliant, Category 5, RJ45 connectors
Serial Communi-cation	1- RS-232 port standard Add up to 5 additional RS-232, RS-422, RS-485 ports
Video	Standard 15-pin VGA connector up to 1280x1024 (24-bit) display resolution
Protocols	Serial and Ethernet protocols include Generic Serial, EtherNet/IP, Modbus RTU, Modbus ASCII and Modbus TCP/IP. Other protocols are available upon request

I/O Compatibility

Rockwell Automation	Rockwell Automation 1769 Compact I/O
	Rockwell Automation 1794 Flex or 1795 Integra I/O
Custom Application Modules (CAMs)	Base model ships with a blank CAM. Other CAMs available at request.
Embedded	High-performance I/O (optional)

Hardware Specifications

Temperature	Operating: –20 to 60°C
	Storage: -40 to 85°C
Mounting	DIN-rail or panel mounting
Humidity	5% to 95% non-condensing
Vibration	10 to 500 Hz 2.0 G max. peak acceleration. 0.012 in (peak-to-peak) displacement
Shock	Operating: 30 G peak for 11ms Storage: 50 G peak for 11ms
Weight	1.7 lbs. (771.107 g)
Power	10 to 24 VDC @ 0.25A
	27 VDC max. User supplied.
Battery	Lithium. Maintains a 30 day charge

Additional Products

ProSoft Technology® offers a full complement of hardware and software solutions for a wide variety of industrial communication platforms.

Visit our web site at http://www.prosoft-technology.com for a complete list of products.

Ordering Information

To order this product, please use the following:

7000-ADM   AppSrvCE Application Development Module

To place an order, please contact your local ProSoft Technology distributor. For a list of ProSoft distributors near you, go to http://www.prosoft-technology.com

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