APAX-5620

PAC with Marvel XScale® CPU and CAN

Features
- Onboard Intel XScale® PXA270 520 MHz processor
- 64 MB SDRAM on board, 32 MB Flash
- Expands I/O by connecting with APAX-5000 I/O modules
- 2 x 10/100 Mbps RJ-45 LAN ports and 2 x Isolated RS-485 ports
- 2 x Isolated CAN bus interfaces to support CANopen stack
- 1 x VGA port for display and 1 x USB port
- 1 x CompactFlash slot for data storage
- Windows CE, C/C++, .NET ready platform

Specifications

General
- Certification: CE, FCC class A
- Dimensions (W x H x D): 60 x 139 x 100 mm
- Enclosure: ABS+PC
- Weight: 310 g
- Power Consumption: 5 W @ 24 VDC (typical)
- Redundancy: 25ms data sync, 20ms changeover time and 14kb for data sync

System Hardware
- CPU: Intel XScale PXA270 520 MHz
- Memory Flash: 32M bytes, SDRAM 64M bytes
- Battery Backup Memory: 256 KB file system, 256 KB direct access
- Real-time Clock: Yes
- Watchdog Timer: Yes
- VGA: DB15 connector
- USB Ports: 1 x USB 1.1
- Storage: 1 x Type II CompactFlash card slot

Software
- OS Support: Windows CE
- Control Software: C/C++ and .NET library
- KW Multiprog (development tool), KW ProConOS (runtime kernel)

I/O Expansion
- Connected I/O Modules: 32 (max.)*
- Digital Signals: 768 (max.)
- Analog Signals: 192 (max.)

Communication (Serial)
- Medium: 2 x Isolated RS-485 (2-wire, isolated)
- Offers Modbus/RTU Master and Slave APIs

Communication (CAN)
- Medium: 2 x Isolated CAN
- Protocol: CANopen (DS301/302)
- Speed maximum: 1 Mbit/s

Environment
- Operating Temperature: -10 – 55°C (when mounted vertically)
- Storage Temperature: -40 – 70°C
- Relative Humidity: 5 – 95% (non-condensing)

Ordering Information
- APAX-5620KW
- PAC with Marvel XScale CPU, CAN, KW

Accessories
- APAX-5002
- 2-slot Backplane Module

I/O Expansion
- Connected I/O Modules: 32 (max.)*
- Digital Signals: 768 (max.)
- Analog Signals: 192 (max.)

Communication (Ethernet)
- LAN: 2 x RJ-45 Port, 10/100 Mbps
- Offers Modbus/TCP Server and Client APIs
- Modbus/TCP under KW

Server: 64 connections
Client: 128 connections

All product specifications are subject to change without notice Last updated: 20-Sep-2016