# **APAX-5620**

## PAC with Marvel XScale® CPU and CAN



# **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 V<sub>DC</sub> (typical) Redundancy
  - 25ms data sync, 20ms changeover time and 14kbytes for data sync

#### **System Hardware**

- CPU
- Memory Flash 32M bytes, SDRAM 64M bytes
- Battery Backup Memory 256 KB file system, 256 KB direct access
- Real-time Clock
- Watchdog Timer
- VGA

1 x USB 1.1

 USB Ports 1 x Type II CompactFlash card slot Storage

#### Software

OS Support Control Software

Windows CE 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.)

\*APAX DI/O modules can use ID number 0 ~ 31, while AI/O modules and counter modules can only use ID numbers 0 ~ 15

#### **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

### **Features**

- Onboard Intel XScale<sup>®</sup> 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

#### **Communication (Serial)**

 Medium 2 x Isolated RS-485 (2-wire, isolated)

2 x Isolated CAN

**Offers Modbus/RTU Master and Slave APIs** 

#### **Communication (CAN)**

- Medium
  - 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

#### Accessories

- APAX-5002
- 2-slot Backplane Module

PAC with Marvel XScale CPU, CAN, KW

All product specifications are subject to change without notice

- Intel XScale PXA270 520 MHz
- - Yes
    - Yes DB15 connector