APAX-5520CE/KW

PAC with Marvel XScale® CPU

APAX-5620CE/KW

PAC with Marvel XScale® CPU and CAN

NEW

APAX-5520CE/KW	RoHS COMPLIANT 2002/95/EC	CE FCC

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Specifications

General

- **Certification** — CE, FCC class A
- **Dimension (W x H x D)** — 30 x 139 x 100 mm
- **Enclosure** — ABS+PC
- **Weight** — 210 g
- **Power Consumption** — 4.5 W @ 24 V_{DC} (typical)

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
- **SB 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** — 2048 (max.)
- **Analog Signals** — 512 (max.)

Communication (Ethernet)

- **LAN Ports** — 1 x RJ-45 Port, 10/100 Mbps
- **Offers Modbus/TCP Server and Client APIs**

Communication (Serial)

- **Medium** — 1 x Isolated RS-485 (2-wire, isolated)
- **Offers Modbus/RTU Master and Slave APIs**

Environment

- **Operating Temperature** — -10 ~ 55°C (when mounted vertically)
- **Storage Temperature** — -40 ~ 70°C
- **Relative Humidity** — 5 ~ 95% (non-condensing)

Ordering Information

- **APAX-5520CE** — PAC with Marvel XScale CPU, WinCE
- **APAX-5520KW** — PAC with Marvel XScale CPU, KW

Accessories

- **APAX-5002** — 2-slot Backplane Module
- **APAX-5343E** — Power Supply for APAX Expansion Module

Specifications

General

- **Certification** — CE, FCC class A
- **Dimension (W x H x D)** — 60 x 139 x 100 mm
- **Enclosure** — ABS+PC
- **Weight** — 310 g
- **Power Consumption** — 5 W @ 24 V_{DC} (typical)

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** — 2048 (max.)
- **Analog Signals** — 512 (max.)

Communication (Ethernet)

- **LAN** — 2 x RJ-45 Port, 10/100 Mbps
- **Offers Modbus/TCP Server and Client APIs**

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
- **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-5620CE** — PAC with Marvel XScale CPU, CAN, WinCE
- **APAX-5620KW** — PAC with Marvel XScale CPU, CAN, KW

Accessories

- **APAX-5002** — 2-slot Backplane Module
- **APAX-5343E** — Power Supply for APAX Expansion Module

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