APAX-5570XPE APAX-5571XPE PC-based Controller with Celeron® M CPU



Features

- Intel® Celeron® M 1 GHz or 1.5 GHz CPU processor
- Expands I/O by connecting with APAX-5000 I/O modules
- DVI-I supports dual display
- Dual power input for redundancy with power-fail relay
- 1 x RS-232 and 1 x isolated RS-422/485 port
- Windows® XP Embedded ready platform
- Combine with APAX-5520KW to deliver dual CPU architecture
- Provides complete C/C++ and .NET libraries for I/O control and communication



Introduction

APAX-5570XPE/5571XPE is a controller with high performance Intel Celeron M grade CPU. Built-in Windows XP Embedded operating system makes APAX-5570XPE/5571XPE a ready application platform to shorten development time. Connecting with other APAX-5000 I/O modules, APAX-5570XPE/5571XPE can become a complete control system. Through C/C++ and .NET class libraries for the I/O modules, developers can build applications under the Win32 development environment in a short amount of time.

Specifications

General

 Cooling System APAX-5570XPE: Fanless, heatsink only APAX-5571XPE: Heatsink with fan

DIN-rail, wall Mounting **Dimensions (W x H x D)** 270 x 142 x 126 mm Weight APAX-5570XPE: 2.42 kg APAX-5571XPE: 2.46 kg

APAX-5570XPE: 30 W @ 24 V_{DC} Power Consumption APAX-5571XPE: 45 W @ 24 V_{DC} (Typical, without inserted module)

18 ~ 30 V_{DC} Power Input - Dual Power Input Yes Power Reversal Yes Real-time Clock Yes

System Hardware

- CPU APAX-5570XPE: Intel Celeron M 1 GHz (non-cache)

APAX-5571XPE: Intel Celeron M 1.5 GHz (1 MB L2

cache)

 System Chipset Intel 915 GME BIOS Flash 4 MB

Memory 512 MB DDR2 DRAM on board (Dual channel mode)

 Battery Backup RAM 512 KB

LED Indicators Power, Run, Error, Battery

DVI-I supports DVI and VGA for dual display Display

Mic-in, Line-out Audio 1 x SD card slot Storage

 Reset Button Yes

Software

Windows XP Embedded Operating System

Watchdog Timer

 Control Software C/C++ and .NET library with utility

Communication

Serial Ports 1 x RS-232, 1 x Isolated RS-422/485 **Serial Port Isolation** 2500 V_{DC} (RS-422/485 only)

Protection

 Baud Rate RS-232: 50 bps ~ 115.2 kbps RS-422/485: 50 ~ 230400 bps

- LAN 2 x RJ-45 Port, 10/100/1000 Mbps (supports teaming function)

USB Ports 4 x USB 2.0

Environment

■ Operating Temperature -10 ~ 55° C (when mounted vertically)

 Storage Temperature -40 ~ 70° C

 Relative Humidity 5 ~ 95% (non-condensing)

Ordering Information

APAX-5570XPE PC-based Controller w/ Celeron M 1 GHz, XPe APAX-5571XPE PC-based Controller w/ Celeron M 1.5 GHz, XPe

APAX-5343 Power Supply for APAX-5570 Series



