

APAX-5570XPE APAX-5571XPE

PC-based Controller with Celeron® M CPU

NEW



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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 .NET class libraries for Microsoft VS .NET development environment to control I/O modules

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. By .NET class libraries for the I/O modules, developers can build their applications under Microsoft Visual Studio .NET development environment in shortest time.

Specifications

General

- **Cooling System** APAX-5570XPE: Fanless, heatsink only
APAX-5571XPE: Heatsink with fan
- **Mounting** DIN-rail, wall
- **Dimensions (W x H x D)** 270 x 142 x 126 mm
- **Weight** APAX-5570XPE: 2.42 kg
APAX-5571XPE: 2.46 kg
- **Power Consumption** APAX-5570XPE: 30 W @ 24 V_{DC}
(Typical, without inserted module)
APAX-5571XPE: 45 W @ 24 V_{DC}
- **Power Input** 18 ~ 30 V_{DC}
- **Dual Power Input** Yes
- **Power Reversal** Yes
- **Real-time Clock** Yes

Software

- **Operating System** Windows XP Embedded
- **Watchdog Timer** 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** 1 MB
- **LED Indicators** Power, Run, Error, Battery
- **Display** DVI-I supports DVI and VGA for dual display
- **Audio** Mic-in, Line-out
- **Storage** 1 x SD card slot
- **Reset Button** Yes

Communication

- **Serial Ports** 1 x RS-232, 1 x Isolated RS-422/485
- **Serial Port Isolation Protection** 2500 V_{DC} (RS-422/485 only)
- **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
- **USB Ports** 4 x USB 2.0

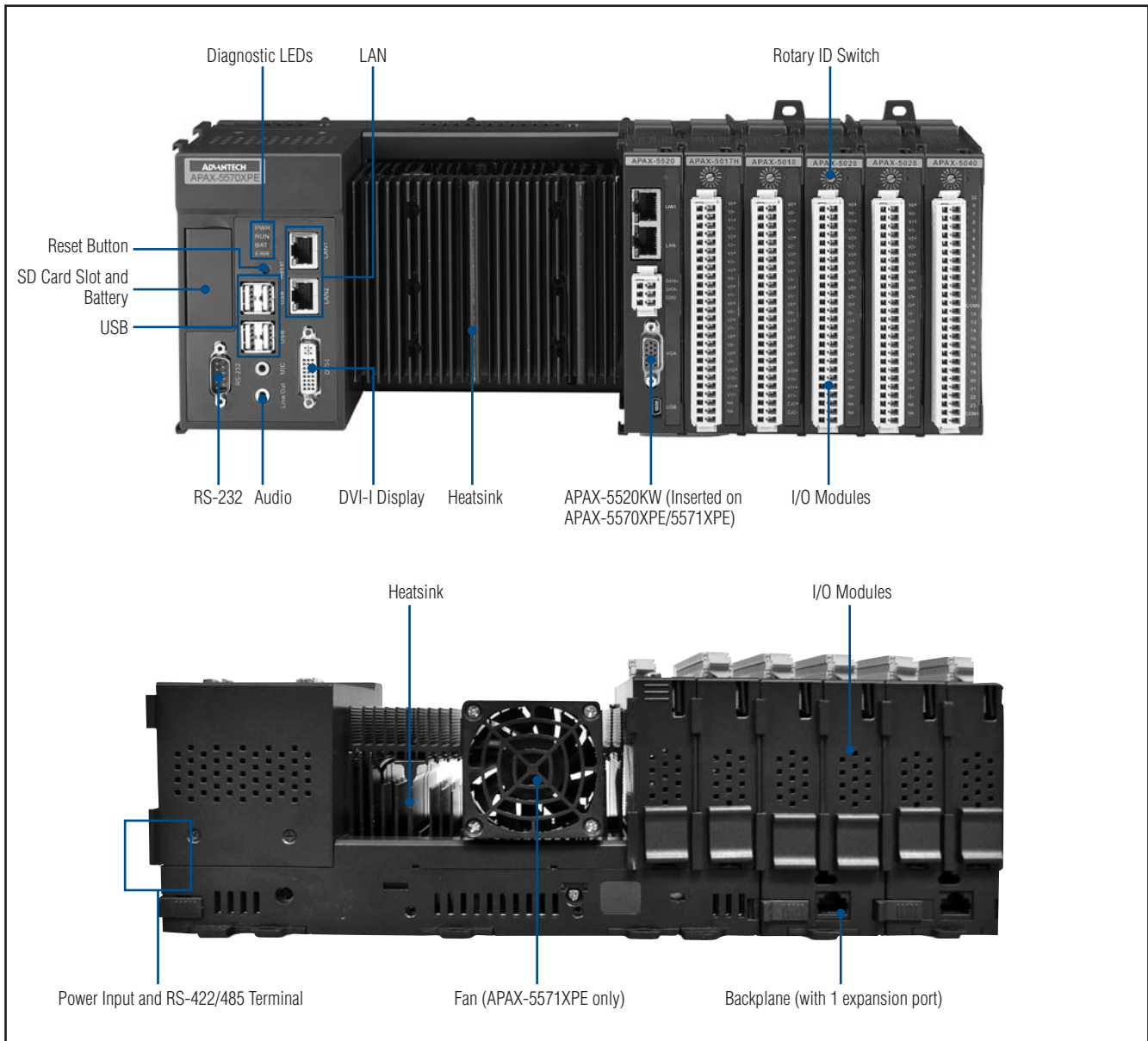
Environment

- **Operating Temperature** 0 ~ 55° C
- **Storage Temperature** -25 ~ 75° 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

APAX-5570XPE APAX-5571XPE



Dimensions

Unit: mm

