

C-MBPC-5820-ACP



Advantech's MBPC-5820 thin client ("The Brick") has been installed thousands of times by customers over the last three years. The latest version of the SBC has an on-board, embedded 586 class NS GXm-233 processor. Other on-board features include VGA/LCD,

LVDS, a CompactFlash Card socket, and 10/100Base-T Ethernet. This board is a feature packed, hassle-free solution for space critical applications. Perfect with Advantech's FPM-2150, FPM-3175 or FPM-3190.

Features

- Compact size: (145 x 102 mm) fits in the space of a 3 1/2" HDD
- On-board NS GXm-233 MHz CPU
- On-board 10/100 Mbps Ethernet
- On-board VGA/LCD display controller and 18-bit LVDS interface
- CompactFlash Card support
- Integrated sound

Specifications

- CPU: On-board NS GXm-233 MHz processor
- BIOS: AWARD 256 KB Flash memory
- Chipset: NS CX5530
- System Memory: 64MB
- Parallel port: One parallel port
- Serial ports: 2 x RS-232
- Keyboard/mouse connector: Mini-DIN connector for keyboard and PS/2 mouse
- Power input: 10-30V DC

VGA/Flat-Panel Interface

- Chipset: NS CX5530
- Display memory: 1 ~ 4 MB shared with system memory
- Display type: Simultaneously supports for CRT and 18-bit TFT LCD display (supports 3.3 V LCD)
- Display resolution: Non-interlaced CRT monitor resolution up to 1024 x 768 at 16 bpp or 1280 x 1024 at 8bpp
- Panel resolution up to 1024 x 768 at 18 bpp TFT panel

Part #: C-MBPC-5820-ACP Industrial Thin Client
PS-50A 5V Industrial Power Supply

C-UNO-2053 - ACP



Advantech has improved "The Brick" with the UNO-2053-ACP thin client. The cast aluminum housing provides a rugged chassis with improved thermal characteristics. Wide input power range of 10-30Vdc, polarity protected allows the use of power supplies

commonly used in industrial applications. The UNO-2053 is a 586-grade platform and PC Card interface.

Features

- On-board GX1-300 MHz, 64 MB RAM
- Dual standard RS-232 and DB-15 VGA connector
- Dual 10/100 Base-T RJ-45 Port (2nd port active with optional kit)
- Two USB and one Type I/II PC cards

Specifications

- CPU: NS Geode GX1-300 MHz, 64 MB SDRAM on board
- VGA/Keyboard/Mouse: DB-15 VGA connector, PS/2 keyboard & mouse
- Serial Port: 2 x standard RS-232
- Speed: RS-232: 50 ~ 115.2 Kbps
- USB Interface: one USB ports, USB OpenHCI, Rev. 1.0 compliant
- LAN: two 10/100 Base-R RJ-45 ports
- SSD: one internal Type I/Type II CompactFlash card slot
- Watchdog Timer: programmable
- LED: power LED, IDE LED and one programmable diagnostic LED and buzzer
- Power Supply: 10-30 VDC
- Anti-Shock: 20 G @ DIN IEC 68 section 2-27, half sine, 11ms
- 50 G @ Wall/Panel IEC 68 section 2-27, half sine, 11ms
- Anti-Vibration: 2 G w/CF @ IEC 68 section 2-6, sine, 5-500 Hz, 1 Oct./min, 1hr/axis
- 1 G w/HDD @ IEC 68 section 2-6, sine, 12-300 Hz, 1 Oct./min, 1hr/axis
- Operating Temperature: -10 ~ 55° C @ 5 ~ 85% related humidity
- Relative Humidity: 95% @ 40° C
- Power input 10-30V DC
- Operating Temperature: -10 ~ 55° C (14 ~ 131° F)
- Chassis Size: 188.8 mm (W) x 106.5 mm (L) x 35.5 mm (H) (7.5" x 4.2" x 1.4")
- Weight: 0.8 kg

Part #: C-UNO-2053-ACP

C-MBPC-9372 - ACP



The PCM-9372 is a low power VIA Eden SBC with CPU, Audio, VGA/LCD and Ethernet. Ideal solution when using Microsoft RDP or projects requiring higher resolutions.

Features

- Embedded low power VIA Eden 400 MHz processor, 667 MHz available
- Fanless, 0 - 60 degrees C operation (PCM-9372F-J0A1 & PCM-9372F-M0A1)
- Supports LCD backlight turn-off function
- 100/133 MHz FSB and 4X AGP graphic for high performance applications
- 2 Channel LVDS interface

Specifications

- CPU: Embedded VIA low power Eden processor, 128KB L1 cache memory on die.
- Eden 400 (PCM-9372F-J0A1)
- System Memory: SDRAM 144pin S0DIMM x1, Max. 512MB, PC133 S0DIMM for all models, optional PC100 S0DIMM for PCM-9372-J0A1
- 2nd Cache Memory: 64 KB on the Eden processor
- System Chipset: VIA PN133T (VT8606, VT82C66B, 133MHz FSB)
- BIOS: AWARD 256 KB Flash BIOS
- SSD: CompactFlash Card Type I/II
- Watchdog Timer: 1-62 sec., 62 level timer intervals system reset or IRQ11
- Expansion Interface: PC/104 and PCI slot
- Battery: Lithium 3V/196 mAh
- MIO: 1x K/B, 1x Mouse, 1x RS-232/422/485, 1x RS-232, 1x LPT
- Audio: VIA 82C686 support AC'97 compliant, Mic in, Line in, Line out
- USB: 2 USB ports, USB 1.1 compliant
- RealTek RTL8100 Ethernet chipset
- Ethernet interface: IEEE 802.3u 100 BASE-T Fast Ethernet compatible, built-in boot ROM in Flash BIOS
- Display Chipset: VIA VT8606 Twister chip with Integrated S3 Savage4 2D/3D Video Accelerator
- Memory Size: 8/16/32 MB frame buffer using system memory
- Resolution: 1600 x 1200 @ 16 bpp 60 Hz, 1280 x 1024 @ 16 bpp 75 Hz, 1024 x 768 @ 16 bpp 85 Hz
- LCD Interface: 4X AGP VGA/LCD interface, Support for 9, 12, 18, 24, 36-bit TFT and 16 or 24-bit DSTN panels up to SXGA resolution
- LVDS: 2-Channel (2 x 18-bit) LVDS interface
- Dimensions: 145mm x 102mm (5.7" x 4")
- Power Supply: +5V +/- 5% +12V +/- 5%, Max: 4.5A @ +5V, 1.3A @ +12V (within 5ms of power on). Typical: 2.08A @ +5V, 0.08A @ +12V (with 128 MB DRAM, Eden 667 MHz CPU)
- Operating Temperature: 0 - 60 degrees C (32 - 140 degrees F)
- Operating Humidity: 0% - 90% Relative Humidity, noncondensing
- Weight 0.85 kg (weight of total package)

Part #: C-MBPC-9372-ACP
Part #: PS-50A

C-UNO-2160 - ACP



UNO-2160 is a high performance 686-grade controller that supports PC/104 extensions, serial communication ports and several other networking interfaces. Ideal solution when using Microsoft RDP or projects requiring higher resolutions

Features

- On-board Celeron 400MHz, 256 MB SDRAM
- Provides 512K bytes of battery-backup RAM
- Two RS-232, two RS-232/422/485 with automatic flow control
- Dual 10/100 Base-T RJ-45 ports (2nd port enabled with optional kit)
- Dual optional PC/104 Extension
- Two USB ports and one Type I/II PC card

Specifications

- CPU Celeron® 400 MHz Ultra low-voltage version,
- 256 MB SDRAM on board (Default: 256 MB SDRAM).
- Battery-backup RAM 512 KB Battery-backup RAM
- VGA/Keyboard/Mouse DB-15 VGA Connector, PS/2 keyboard & mouse
- Serial Ports 2 x RS-232 and 2 x RS-232/422/485 with DB-9 connectors Automatic RS-485 data flow control
- Serial Port Speed RS-232: 50 - 115.2 Kbps RS-422/485: 50 - 921.6 Kbps
- LAN Two 10/100 Base-T RJ-45 Ports (2nd enabled with optional kit)
- USB Interface Two USB ports, USB UHCI, Rev. 1.1 compliant
- Printer Port One printer port
- PC Card One PC Card slot
- Supports CardBus (Card-32) Card and 16-bit (PCMCIA 2.1/1EIDA4.2) Cards Supports +5 V, +3.3 V and +12 V @ 120 mA working power
- SSD One internal Type I / Type II CompactFlash card slot
- LEDs Power, IDE, Alarm for RAM Backup Battery
- PC/104 Two PC/104 Extensions. (Option)
- Resolution: supports up to 1280 x 1024 @ 32bpp and 1600 x 1200 @ 16bpp
- Anti-Shock 20 G @ Wall mounting, IEC 68 2-27, half sine, 11 ms w/HDD50 G @ Wall mounting, IEC 68 2-27, half sine, 11 ms w/CF5 Anti-Vibration 2 Grms w/CF @ IEC 68 section 2-64, random, 5 - 500 Hz, 1 Oct./min. 1 hr/axis. 0.5 Grms w/ HDD @ IEC 68 section 2-64, random, 5 - 500 Hz, 1 Oct./min. 1 hr/axis
- Power Supply 35 W, Power input 9-34 Vdc
- Operating Temperature -10-50° C (14-122° F) @ 5-85% related humidity.
- Relative Humidity 95% @ 40° C
- Weight 1.6 kg

Part #: C-UNO-2160-ACP

C-TPC-650-ACP Pentium MMX touch panel Thin Client with 6.4" VGA TFT display

TPC-650 is a well-designed platform ideally suited for industrial automation applications. The fan-less design and touchscreen make this machine a reliable solution for industrial or critical environments. Together with ACP's ThinManager the TCP-650 is a full-functioning Thin Client.

Features

- 6.4" VGA TFT LCD
- Resistive Touchscreen
- Optional CompactFlash™ storage
- Intel® Pentium®166 MMX CPU and 64MB DRAM
- NEMA4 / IP65 compliant front bezel

Specifications

- Construction: plastic molding with optional metal PC/104 expansion cover
- Display: 6.4" VGA TFT LCD (300 cd/m²)
- CPU: Intel® Pentium®166 MMX
- VGA: CHIPS 69000 VGA controller
- DRAM: 64MB SO-DIMM SDRAM
- I/O: 2 serial ports(one configurable to RS-422/485), 1 parallel port, 1 Ethernet port(10/100Base-T), 1 PS/2 port
- Expansion: one 16-bit PC/104 slot
- Power input: 24VDC, 2.2A maximum
- Dimension (W x H x D): 220 x 160 x 57 (8.66" x 6.30" x 2.24")
- Weight: 1.7 kg (3.7 lbs)
- Supports Resolution 640 x 480 @ 16 bpp

Touchscreen

- Type: 4-wire, analog resistive
- Resolution: continuous
- Light transmission: above 68%
- Life: 1 million activation minimal

Part #: C-TPC-650-ACP Thin Client with touchscreen

PS-DC24-50 24VDC Power Supply