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- FAST SHIPPING AND DELIVERY
- TENS OF THOUSANDS OF IN-STOCK ITEMS
- EQUIPMENT DEMOS
- HUNDREDS OF MANUFACTURERS SUPPORTED
- LEASING/MONTHLY RENTALS
- ITAR CERTIFIED SECURE ASSET SOLUTIONS

SERVICE CENTER REPAIRS

Experienced engineers and technicians on staff at our full-service, in-house repair center

*InstraView*SM REMOTE INSPECTION

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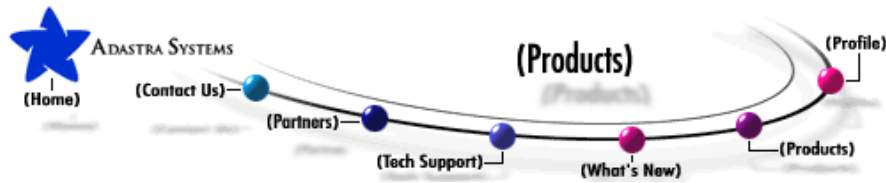
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Sell your excess, underutilized, and idle used equipment. We also offer credit for buy-backs and trade-ins. www.artisanng.com/WeBuyEquipment ↗

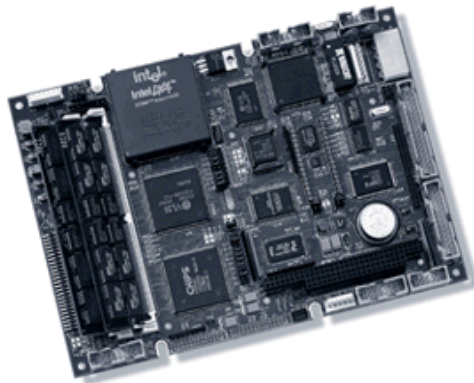
LOOKING FOR MORE INFORMATION?

Visit us on the web at www.artisanng.com ↗ for more information on price quotations, drivers, technical specifications, manuals, and documentation

Contact us: (888) 88-SOURCE | sales@artisanng.com | www.artisanng.com



▶ NPC-486E



The NPC-486E is the cornerstone of a family of products targeting systems integrators and designers. Adastra Systems offers the high-end power of the NPC-466E, other single board computers, compatible peripheral and I/O adapters, development hardware, and software tools for a variety of applications.

APPLICATIONS

- ▶ Embedded Control
- ▶ Instrumentation
- ▶ Industrial Computers
- ▶ OEM Applications



FEATURES

- ▶ 486SX, 486DX, 486DX2, 486dx4 CPU
- ▶ Multiple clock speeds: 25MHz, 33MHz, 66MHz (DX2 internal), 100mhz (dx4 internal)
- ▶ Up to 32M bytes of RAM
- ▶ IDE hard disk controller
- ▶ Floppy disk controller
- ▶ 16-bit Ethernet interface
- ▶ Local-bus VGA display controller (CRT and flat-panel)
- ▶ 5.75" x 8" form factor
- ▶ PC/AT keyboard port
- ▶ Two DEEP-FIFO serial ports
- ▶ Bi-directional parallel port
- ▶ PS/2 mouse interface
- ▶ Battery backed real-time clock
- ▶ Watchdog timer
- ▶ ISA bus expansion (PC/104)
- ▶ Solid State Disk
- ▶ Power management support

SPECIFICATIONS

CORE PC/AT SYSTEM

- ▶ 80486 SX, DX, DX2, OR DX4 CPU
- ▶ 25 OR 33 MHZ SYSTEM CLOCK (66/100 INTERNAL), SOFTWARE CONTROLLED FOR POWER MANAGEMENT

- ▶ 1M, 2M, 4M, 8M, 16M, or 32M, @ 70ns DRAM
- ▶ Phoenix/AMI FLASH BIOS, shadow RAM operation
- ▶ (2) 82C37A DMA controllers, 82C54 counter/timer, (2) 82C59A interrupt controllers, 82C284 clock controller, 82C288 bus controller
- ▶ PC/AT keyboard controller
- ▶ PS/2 mouse interface
- ▶ MC146818 equivalent real-time clock
- ▶ 8 ohm, .5W speaker drive capability
- ▶ 765B floppy disk controller
- ▶ Western Digital compatible IDE controller
- ▶ (2) 16550 equivalent serial UARTs
- ▶ Bi-directional parallel port

VGA

- ▶ 32-BIT LOCAL BUS
- ▶ 24-BIT COLOR (TRUE-COLOR)
- ▶ OPTIONAL WINDOWS ACCELERATION HARDWARE
- ▶ 512K (OPTIONAL 1M) DISPLAY MEMORY
- ▶ LCD BIAS VOLTAGES AND POWER SEQUENCING
- ▶ RESOLUTIONS UP TO 1024x768x256
- ▶ SIMULTANEOUS FLAT PANEL AND CRT
- ▶ FULL MOTION VIDEO OVERLAY SUPPORT, FLAT PANEL AND CRT

NETWORK

- ▶ NE2100, 16-BIT, BUS-MASTERING ETHERNET
- ▶ PLUG-N-PLAY
- ▶ 10BASE-T AUI ON BOARD
- ▶ DRIVER SOFTWARE: NDIS, ODI, PACKET, MORE
- ▶ DESKTOP NOS SUPPORT: MICROSOFT, NOVELL, LANTASTIC, MORE
- ▶ UNIX SUPPORT: SCO, UNIXWARE, SOLARIS, BSDI, MORE
- ▶ REAL-TIME OS SUPPORT
- ▶ NETWORK BOOT: IBM, MICROSOFT, NOVELL, BOOTP

ADDITIONAL FUNCTIONS

- ▶ SOLID STATE DISK: OPTIONAL 1, 2, OR 4M FLASH ON-BOARD; PLUS (1) 32 PIN JEDEC SOCKET (EPROM, EEPROM, FLASH, OR BATTERY-BACKED SRAM)
- ▶ IN-CIRCUIT EEPROM/FLASH PROGRAMMING (SOLID STATE DISK AND BIOS MEMORY)
- ▶ WATCHDOG TIMER CIRCUIT
- ▶ RS-485 OPERATION AVAILABLE ON COM2
- ▶ POWER MANAGEMENT SUPPORT: PROGRAMMABLE SYSTEM CLOCK, PERIPHERAL POWER CONTROL FOR VGA, NETWORK, PC/AT I/O, SOLID STATE DISK

ELECTRICAL

- ▶ 5 VOLT ONLY, OR 5 AND 12 VOLT OPERATION
- ▶ TYPICAL POWER, 5 VOLTS (486SX, 4M DRAM, 1M VIDEO MEMORY): 33MHZ: 1.5A (PERIPHERALS ON); 8MHZ: 0.85A (PERIPHERALS ON); 8MHZ: 0.6A (PERIPHERALS OFF)
- ▶ ON-BOARD CONVERTERS FOR FLASH PROGRAMMING AND RS-232
- ▶ 12 VOLTS REQUIRED FOR SOME FLAT PANELS

MECHANICAL

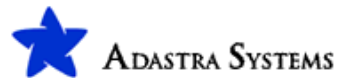
- ▶ Size: 5.75" x 8" x 1"
- ▶ Add 0.75" (19 mm) vertical for each additional PC/104 adapter, typical
- ▶ Weight: 11 oz. (312 gm)

ENVIRONMENTAL

- ▶ 0° to 70° C operating temperature with CPU heat sinking
- ▶ -55° to 85° C storage temperature
- ▶ 5% to 95% relative humidity (non-condensing)

WARRANTY

- ▶ 2 year limited warranty





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