

NPC II Embedded System



The NPC Series Embedded iPC is purpose designed for communication intensive applications requiring extensive LAN and Serial port capacity. In particular the NPC has been designed to integrate into an evolving utility communication infrastructure where there is likely to be extensive use of Intelligent Electronic Devices (IEDs), their configuration software, and supporting systems.

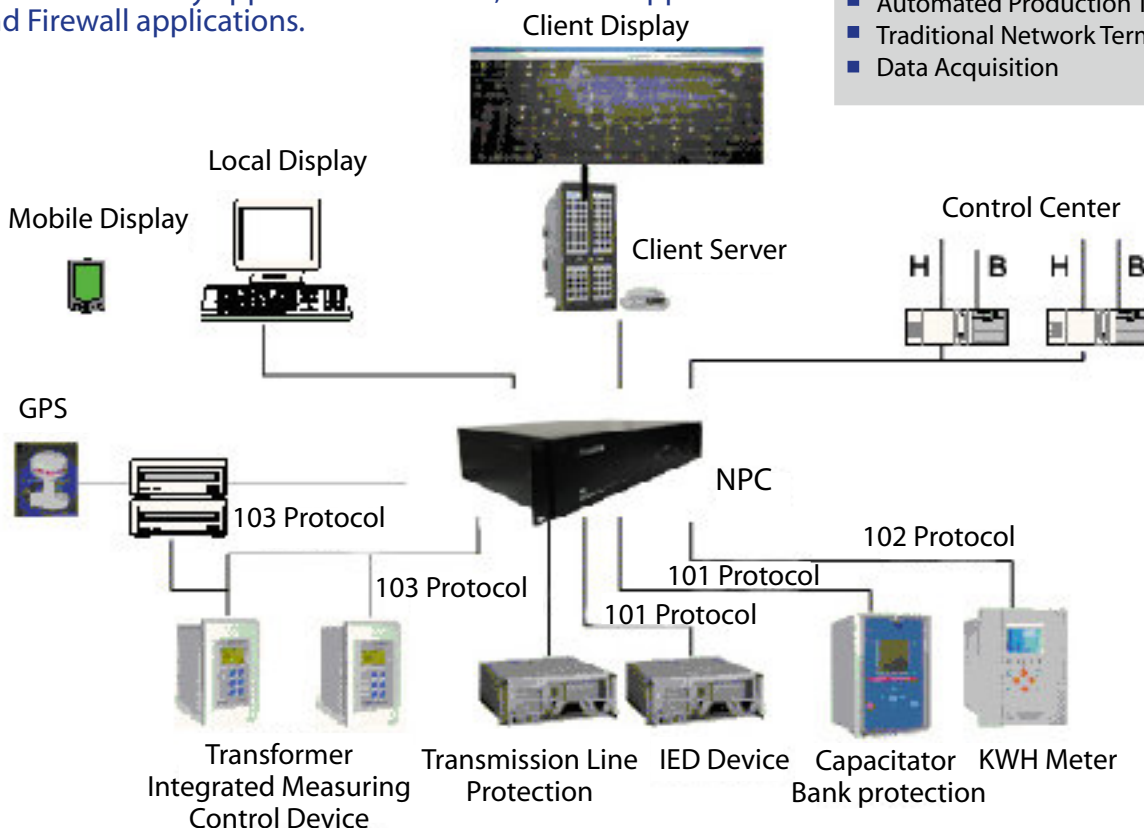
The compact 19" Rack or Bench mounting chassis benefits from a completely fan-less cooling system; delivering high performance, a quiet working environment and low cost of ownership without compromise. The NPC II supports the Intel Core Duo/ Core 2 Duo class of processors and provides six Gigabit LAN ports, sixteen serial ports, six USB 2.0 ports, a VGA port and 8 Digital Inputs/Digital Outputs. The serial communication interface plate benefits from an optional choice of connector types offering an alternative to standard D-Type connectors. The compact and stylish NPC Series can also be effectively applied in Thin Client, Network Appliance and Firewall applications.

FEATURES

- Fan-less system designed for ease of installation and maintenance.
- Intel Core Duo/ Core 2 Duo
- Memory: 512MB DDR2, maximum 2 GB.
- Storage Options: SATA/CF Type II
- 16 configurable (RS232/422/485) with optional serial port surge protection
- Ethernet: Gigabit Ethernet ports x 6
- 8 Digital Inputs/Digital Outputs
- Expansion: PCI x 1/PC104-Plus x1
- Optional: Screw type serial port connectors

TYPICAL APPLICATIONS

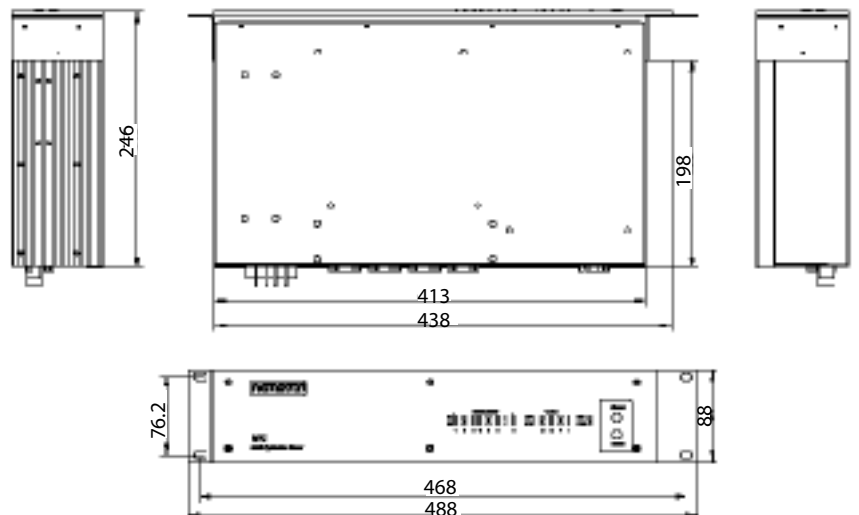
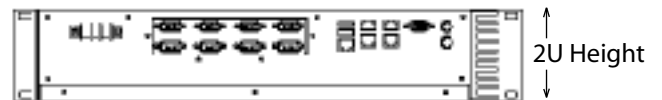
- Power Transmission System Automation
- Protocol Converter
- Front-end Communication Server
- Transportation
- Monitoring Systems
- Building Automation
- Access Control
- Security
- Attendance Management
- Automated Production Test Equipment
- Traditional Network Terminal
- Data Acquisition





SPECIFICATION	
CPU	Intel Core Duo/ Core 2 Duo
Memory	512MB, supports up to 2GB DDR2 SDRAM
Display	VGA, LVDS
IDE	2.5"HD IDE x 1/ Type II CF slots
Serial Ports	Serial (RS232/422/485) COM 1-2 reserved, COM 3 - 18 DB9, Screw Terminal (optional)
Parallel Port	one (optional), pin-header
Ethernet	1G BaseT LAN x 6
USB	USB2.0 x 6
DI/DO	8DI / 8DO (optional)
Expansion	1 x PCI/1 x PC-104 Plus
Panel Buttons	1 x Reset button, 1 x Power button
Watchdog Function	Programmable 1-255 seconds
Status LEDs	2 x LED for Power, 16 x 2 LEDs for serial ports (TxD, RxD) 1 x LED for IDE, 6 x 2 LEDs for LAN
Power Input	9-27VDC/100-300VAC (optional)
Power Input Connector	Screw Terminal
Operating System	Windows 2000 / XP / CE / XP Embedded, Linux
Approvals	CE, FCC, UL, RoHs
Operating Temperature	-10°C ~ 55°C
Storage Temperature	-20°C ~ 80°C
Relative Humidity	10% ~ 90% (without condensation)
Dimensions	438mm x 249mm x 88mm
Weight	5 kg
Colour	Black as standard/custom available.

NPCII - Dimensions



Nematron

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