Ethernet-to-serial

Serial Communications

Blue Heat/Net

Features

- Four or eight RS-232 or software selectable RS-232/422/485 serial ports
- Configure over serial interface, Telnet or via user-friendly web browser interface
- Auto-sensing, 10Base-T, 100Base-TX Ethernet LAN interface
- Supports Raw TCP and PPP server and client modes
- Programmable embedded Linux core
- Free Software Development Kit (SDK) for software customization
- Data communication speeds up to 460.8 Kbps
- DIN rail mounting option for all DB-9 models
- RoHS compliant

Specifications

Number of Ports	4 or 8 ports (2 and 16 port models also available)
Electrical Interface	RS-232 or software selectable RS-232/422/485
LAN interface	10Base-T, 100Base-TX Ethernet (auto-sensing)
Control Signals	RS-232: DTR, DSR, RTS, CTS, TxD, RxD, RI*, DCD, GND RS-422/485: TxD+/-, RxD+/-, RTS+/-, CTS+/-, SR (*DB-9 models only)
Baud Rate	50 bps to 460.8 Kbps (custom baud rates also available)
Protocols	IP, TCP, UDP, ARP, RARP, TFTP, DHCP, BootP, HTTP, Telnet, ICMP, PPP
CPU Core	ColdFire 32 bit, 66MHz CPU features 16MB SDRAM and 2MB or 4MB Flash
Configuration	Web browser (HTTP), Telnet console or serial utility
Dimensions	***RJ-45:*** Length: 7.25"/18.42 cm Width: 5.25"/13.36 cm Height: 1.35"/3.43 cm ***DB-9:*** Length: 9.61"/24.41 cm Width: 5.25"/13.34 cm Height: 1.69"/4.29 cm
Environmental	Operating Temperature: 0° C to 70° C (32° F to 158° F)
Connectors	RS-232: 8 pin RJ-45 connector or DB-9 connector RS-232/422/485: DB-9 connectors LAN: RJ-45 connector
Software Compatibility	Windows 2000/XP/XP x64/Server 2003/ Vista, QNX 4.X/6.X and Linux (Contact Connect Tech for most recent list)
Surge Suppression	EN61000-4-2 ESD EN61000-4-3 EMC EN61000-4-4 EFT
Power Requirements	110/120V AC, 50/60 Hz, 5 V DC power adapter (5-30 V DC on select models)
Regulatory Approvals	EN 55022, EN 55024 CE FCC Class A, Part 15 FC ICES-003 ***DB-9 models:*** UL60950 c UL us UL916 CB Scheme

The Blue Heat/Net enables you to connect any of your RS-232 or RS-422/485 serial devices to your Ethernet LAN. This gives you remote access to any serial device, reduces cabling costs and simplifies future installations and upgrades. It also frees your devices from a physical PC connection, offering greater flexibility in location.

Based on the robust uCLinux (Linux embedded operating system), the Blue Heat/Net can be programmed with application specific protocols or the user can work with a variety of protocols available on the supplied firmware.

The Blue Heat/Net can be configured and controlled via serial interface or remotely via Telnet or web based HTTP. With the option to boot from on-board Flash memory or a network location, updating devices in the field can be done from a central location.

All Blue Heat/Net products are covered by a lifetime warranty and free technical support is also included.

Connect Tech Inc.
Industrial Strength Communications

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Serial Communications

Applications

The Blue Heat/Net can network-enable any of your legacy serial devices, giving you the power to remotely control your serial devices from any work station connected to your Ethernet LAN, or the Internet. This eliminates the need for a dedicated PC, cutting equipment expenses, cabling needs, and the time required to maintain and collect information from individual workstations.

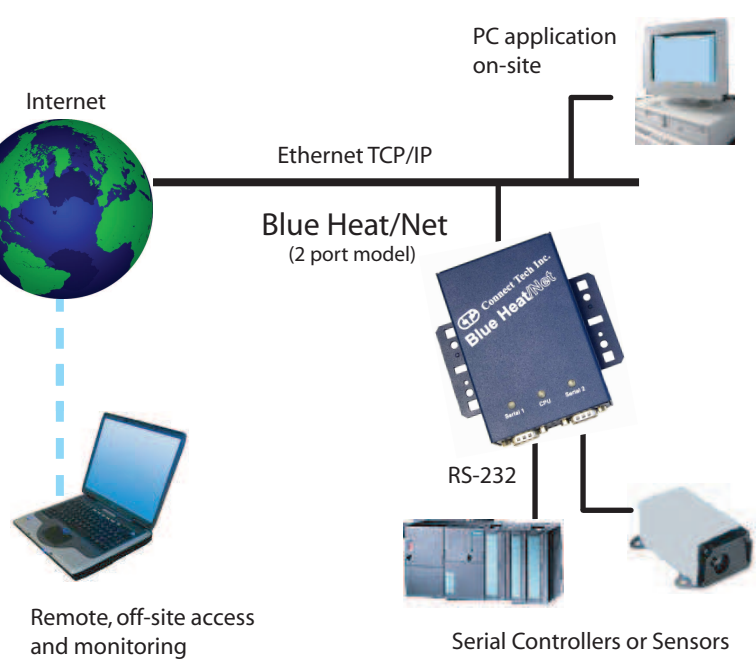
An embedded uClinux core (a Linux embedded operating system) and a free Software Development Kit (SDK) offer the ability to program your own unique protocol and upload that protocol to the Flash memory.

All DB-9 models can be DIN rail mounted. The 2 port Blue Heat/Net is specifically designed for the harsh conditions of the factory floor. Compact and rugged, it operates in an Industrial Temperature range of -40°C to 85°C, and includes multi-mode DC power or Power over Ethernet (PoE).

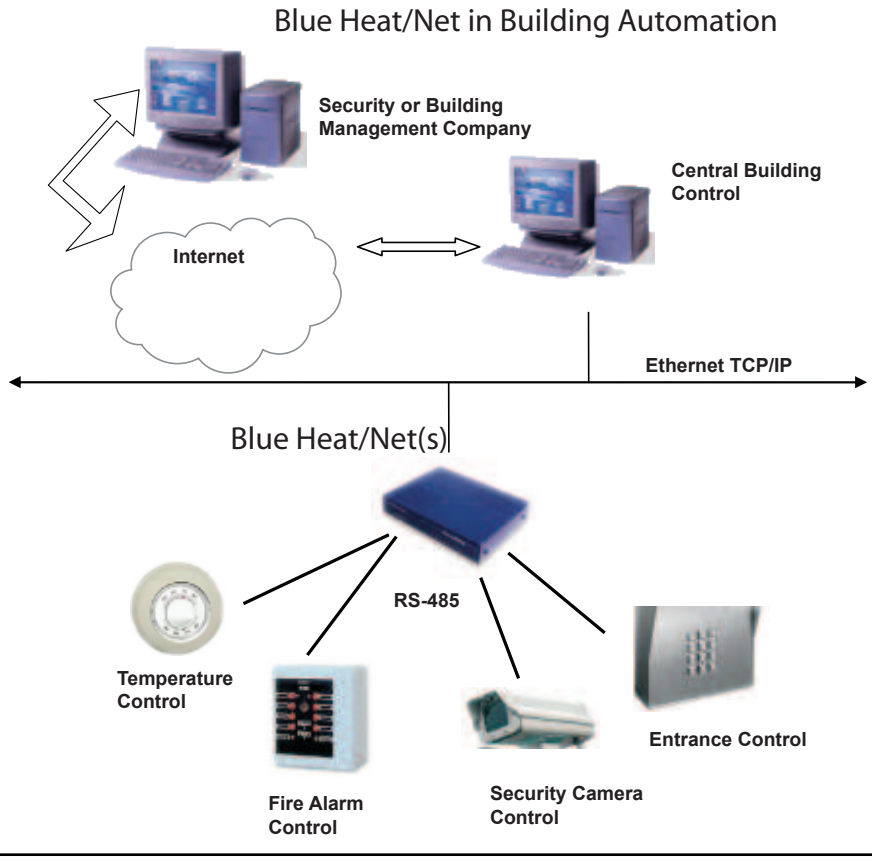
Available in 2, 4, 8 and 16 ports, the Blue Heat/Net is well suited for applications such as:

- Manufacturing/Industrial Automation
- Point-of-Sale/Retail
- Building Automation
- Transportation Stations
- Patient monitoring systems
- Process Control
- Any application requiring communication via TCP/IP Ethernet with serial devices that do not have built-in network ports.

Industrial Automation and the Blue Heat/Net



Blue Heat/Net in Building Automation



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