



Blue Heat/Net 2

- **Programmable:** Built on the uClinux embedded operating system, enabling the development of customized software.
- **Compact and Rugged:** 115 mm/4.5 inches wide, including wall-mount flange. Optional DIN rail mount kit available.
- **Power Options:** Multi-mode 5V DC to 30V DC input, and available Power over Ethernet (PoE) with 48V DC screw terminal connector.
- **Industrial Temperature Range:** Operates between -40°C and +85°C (-40°F to +185°F)
- **Protocols:** Numerous application modes and protocols available, including Point-to-Point Protocol (PPP), Raw TCP and industrial protocols.
- **Industrial Protocol Option:** Modbus, AllenBradley, Rockwell Automation, DNP3.
- **Performance:** Built around a 32 bit, 66MHz ColdFire CPU featuring 16MB SDRAM, 2MB or 4 MB Flash and a Linux core.
- **Flexibility:** Two software selectable RS-232/422/485 ports and independent port configuration. RS-485 models feature software selectable bias termination.
- **Speed:** Baud rates up to 460.8 Kbps. Custom baud rates available.
- **Ease of Use:** Flexible and easy configuration over a serial, Telnet or HTTP connection.

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Part #: BNG009, BNG009-01, BNG009-02, BNG009-03,
BNG009-04, BNG009-05, BNG010, BNG010-01, BNG010-02,
BNG010-03, BNG010-04, BNG010-05, BNG010-06, BNG010-07,
BNG010-08, BNG010-09, BNG010-10, BN009, BN010, BN010-
01, BN010-02, BN010-03, BN010-04, BN010-05, BN010-06,
BN010-07, BN010-08, BN010-09, BN010-10

Specifications

Downloads

Comparison Chart

Ordering Information

Custom Design

More Information

This compact Ethernet-to-serial device is designed to operate under the harsh conditions found on the factory floor or wherever rugged, reliable communications are required. Offering two ports of software selectable RS-232/422/485 connectivity, the Blue Heat/Net 2 can locate COM ports anywhere on your Ethernet LAN allowing you to remotely control your serial peripherals from any connected workstation or via the Internet from anywhere in the world.

This Ethernet-to-serial device is designed for wall or DIN rail mounting and operates within an industrial temperature range of -40°C to +85°C (-40°F to +185°F). It offers flexible DC power input from 5V DC to 30V DC and optional Power over Ethernet (PoE) with screw terminal power connectors. It also includes MDI/MDIX auto-detect to allow straight-through or crossover Ethernet cables.

The Blue Heat/Net 2 Ethernet-to-serial device eliminates the need for a dedicated PC, cutting equipment expenses and time required to monitor information from individual workstations. It can be configured and controlled via serial interface, or remotely via Telnet or web-based HTTP.

All CTI Ethernet-to-serial devices include an auto-sensing 10Base-T, 100Base-TX LAN interface, and can achieve data speeds up to 460.8 Kbps per port. Each port is independently configurable, and software customization is a breeze. Based on the uClinux embedded operating system, the Blue Heat/Net Ethernet-to-serial device offers programmers a familiar Linux API. Connect Tech includes a full range of open source development tools via its free *Software Development Kit*. You can create customized protocols and download them directly to the on-board Flash memory, making the Blue Heat/Net one of the most flexible Ethernet-to-serial products on the market.

Blue Heat/Net 2 is UL Listed and IECEE certified. [Link to CB Scheme.](#)

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Blue Heat/Net Sync

Details

Spec Sheet



Blue Heat/Net 4 or 8

Details

Spec Sheet



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