



## NT-52P

2-Port Universal I/O PoE Control Gateway

| Ethernet - RJ-45 | WEB-CTRL



NT-52P is a compact universal-I/O PoE control gateway, capable of plug and play deployment over customer Ethernet LAN for remote control of customer-controlled devices via two universal I/O ports. The ports can be configured as bidirectional RS-232, crossed RS-232, RS-485, IR, GPI/O or relay control connections. Multiple control clients can be IP-connected to NT-52P control gateway for concurrent control of devices, such as AV scalers, video projectors and displays, audio amplifiers, DVD players, sensors, screens, shades, door locks, and lighting

### FEATURES

**Innovative Universal I/O Ports** - Remote IP-based control of any device connected to the control gateway universal I/O ports, with selectable port configuration to bidirectional RS-232, RS-232 cross, RS-485, IR, GPI/O or relay control. Each port is adaptable for any room device control simply by toggling a button

**Multiple IP Connected Clients** - Remotely connected over customer Ethernet network, concurrently controlling any devices connected to control gateway universal I/O ports

**Easy & Reliable Installation** - With single PoE cable for both, powering and connectivity, and Plug and Play IP installation with dynamic (DHCP) address resolution and auto device discovery over customer LAN. Highly-resilient powering with multiple power options — Power over Ethernet per IEEE 802.3af standard, and PSU. Compact, designed for piggy-back installation, such as behind a TV or display, with the ability to draw power from device USB port and Ethernet connectivity

**Remote Management** - Built-in web UI for remote browser-based management and support, by multiple IP-clients over customer LAN. Easy firmware upgrades, either remotely via customer LAN, or locally via device USB port



## TECHNICAL SPECIFICATIONS

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**PORTS:** 2 RS-232/IR universal-IO ports on 3-pin terminal blocks, each selectable as one of:

- 1 bidirectional RS-232 serial port
- 1 crossed bidirectional RS-232 serial port
- 1 bidirectional RS-485 serial port
- 2 IR emitter ports
- 2 GPI/O ports
- 2 relay ports,

1 LAN on an RJ-45 female connector,  
1 built-in IR sensor for IR learning,  
1 mini USB connector for local services

**SUPPORTED SERIAL PORT BAUD RATES:** 1200, 2400, 4800, 9600, 19200, 38400, 57600, 15200bps

**RS-232 COMMUNICATION:** Transparent up to 115200bps

**IR EMITTER CABLE RANGE:** 80m (260ft)

**SUPPORTED IR OUTPUT FREQUENCIES:** 20kHz to 1.2MHz

**SUPPORTED IR INPUT FREQUENCIES:** 20kHz to 60kHz

**MAXIMUM DATA HANDLING OF DEVICE:** Up to 150kbps (summed on all ports, see Section 7.1)

**MAXIMUM SIMULTANEOUS IP-CLIENT CONNECTIONS:** 40

**POWER SOURCE:** 12V DC, 2A

**POWER CONSUMPTION:** 12V DC, 220mA

**ENCLOSURE TYPE:** Tools, aluminum

**COOLING:** Convection ventilation

**OPERATING TEMPERATURE:** 0° to +40°C (32° to 104°F)

**STORAGE TEMPERATURE:** -40° to +70°C (-40° to 158°F)

**HUMIDITY:** 10% to 90%, RHL non-condensing

**INCLUDED ACCESSORIES:** Power supply unit, bracket set

**VIBRATION:** ISTA 1A in carton (International Safe Transit Association)

**SAFETY REGULATORY COMPLIANCE:** CE

**ENVIRONMENTAL REGULATOR COMPLIANCE:** Complies with appropriate requirements of RoHs and WEEE

**DIMENSIONS:** 12cm x 7.15cm x 2.44cm (4.7" x 2.8" x 1.0") W, D, H

**WEIGHT:** 0.18kg (0.4lbs)

SHIPPING DIMENSIONS: 15.7cm x 12cm x 8.7cm (6.2" x 4.7" x 3.4") W, D, H

SHIPPING WEIGHT: 0.82kg (1.8lbs)

PRODUCT DIMENSION: 12.00cm x 7.15cm x 2.44cm (4.72" x 2.81" x 0.96" ) W, D, H

PRODUCT WEIGHT: 0.2kg (0.4lbs) approx

SHIPPING DIMENSION: 15.70cm x 12.00cm x 8.70cm (6.18" x 4.72" x 3.43" ) W, D, H

SHIPPING WEIGHT: 0.8kg (1.8lbs) approx

