

ADAM-4570

2-port Ethernet to RS-232/422/485 Data Gateway



The ADAM-4570 is a lightning fast and cost effective data gateway between RS-232/422/485 and Ethernet interfaces. This unit immediately updates your existing device into the Internet world. Functionally transparent and efficient, the ADAM-4570 is specially designed for remotely controlling and monitoring devices via the Internet.

The ADAM-4570 provides two RS-232/485/422 serial ports easily individually configured for your needs. And the transmission speed of the ADAM-4570 is up to 460 Kbps, meeting the demand for high-speed exchange. In addition, user can only use window utility to configure ADAM-4570 without further programming efforts. ADAM-4570 is not only protecting your current hardware investment but also ensuring future network expandability. Since the protocol conversion is transparent, all your existing devices can be seamless integrated with the Ethernet network. Therefore, the ADAM-4570 can be used in security system, factory automaton, SCADA, transportation and more..

The ADAM-4570 integrates both your existing human-machine interface software (HMI) and the RS-232/422/485 system architecture with an Ethernet network. The result is it helps you save cabling space, cable purchase and software development cost. The ADAM-4570 also provides a high-performance RISC CPU and Real Time Operating System to reduce CPU load. These components make the ADAM-4570 more stable and reliable. Another benefit is the ADAM-4570 allows users to remotely download programs to a designated device via Ethernet. This reduces the need for on-site maintenance and diagnosis.

In addition, The ADAM-4570 comes with a Windows configuration and port-mapping utility. The configuration tool can auto-detect all ADAM-4570s on the local network. It also lets you adjust all settings easily. The port mapping utility helps you to set up 255 ports for one Windows NT platform. This helps users manage all ports to meet their needs.

Benefits:

- Update your system for the Internet without changing hardware or software
- Control and monitor on-site devices via Internet/intranet
- Fully compatible with off-the-self Ethernet applications
- Save maintenance time, cable installation space and money with one small unit

Features

- Expand up to 256 serial ports for one Windows NT host
- Supports 10/100 Base-T Ethernet standard
- Supports high transmission speeds up to 921.6 Kbps
- Supports 5 LED indicators: Easy to diagnostic
- Auto-searching Windows configuration utility: Easy setting and self-diagnostic
- Port-mapping utility: Easy to manage 255 ports for one Windows NT platform
- Supports real-time Operating System: pSOS System
- Surge protection for RS-485 line and power supply
- Mounts on DIN rail, panel or piggyback easily

Specifications

- **Protocol:** TCP, UDP, IP, ARP
- **Network Port:** 10Base-T IEEE 802.3
100Base-TX IEEE 802.3u
RJ-45 connector
- **Serial Port (2 ports):** RS-232/422/485
- **Connector:** DTE
- **Transmission speed:** RS-232/422/485: 300 bps to 460 Kbps
- **Format:** parity bit: odd, even, none
- **Data bit:** 5, 6, 7, 8
- **Stop bit:** 1, 1.5, 2
- **Modem control:** Full Modem signals
- **Compatibility:** Ethernet: version 2.0/IEEE 802.3, IEEE 802.3u
- **Diagnostic LEDs:**
Network: Power, Speed (10/100 Mbps), Link
Serial: TX/RX, Status
- **Utility Software:**
Auto-searching window configuration utility:
Port mapping utility
- **Driver:** Windows NT 4.0 driver to redirect the standard Win32 API
- **Power Requirements:** unregulated 10 to 30 Vdc with surge protection
- **Power Consumption:** 4 watt
- **Case:** ABS with captive mounting hardware
- **Accessories:** Nylon DIN-rail mounting adapter SECC panel mounting bracket
- **Operating Temperature:** 0 ~ 60° C
- **Storage Temperature:** -20 ~ 80° C
- **Operating Humidity:** 20 ~ 95% (non-condensing)
- **Storage Humidity:** 0 ~ 95% (non-condensing)

Ordering Information

- **ADAM-4570**
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