

CN2500 Async Server



Multi-Functional 10/100 Mbps Communication Server



Overview

MOXA CN2500 Async Server, with the latest 10/100 Mbps LAN interface and 4/8/16 serial interfaces, can be used to establish LAN-to-Async connectivity, such as async device control in the telecom industry, remote access in enterprise networks, and terminal access in financial/travel services.

CN2500 incorporates several popular features and functions, such as ASPP Async Device Control, Rtelnet console management, and PPP/SLIP/Terminal remote access, into its new cutting-edge hardware design. Furthermore, it has a built-in 15 KV surge protector for every signal.

CN2500 technology uses various enhanced software features. In addition to RADIUS utility, CN2500 embeds a user database, providing alternatives for user profile management. RIP-1/2, another advancement in Async Server design, makes LAN-to-LAN routing more convenient than ever.

CN2500 provides stability and performance when used with UNIX-based SUN/IBM/HP workstations, as well as with PCs running Windows or Linux. Using CN2500 is truly an easy and cost-effective way to blend Moxa's async technology with the new 100 Mbps LAN environment.

Features

- Each serial port may be shared by network hosts running different OS
- One 10/100 Mbps LAN interface with data transfer LED indicator
- 4/8/16 high speed serial ports with dedicated Tx/Rx LED indicators
- 15 KV surge protector for every signal
- One parallel printer port as TCP/IP printer server
- Serial speed up to 230.4 Kbps
- MOXA ASPP programming tool for cross-platform async device control over TCP/IP
- Ideal for SUN/HP/IBM workstations in controlling async devices

- Windows NT Real COM Port driver
- Supports Windows NetBEUI
- UNIX fixed tty program for terminal access security
- Easy Windows configuration
- Auto-recognition for PPP/SLIP/ Terminal
- Max. 8 Telnet/Rlogin sessions under Terminal mode
- Upgradeable firmware via Flash ROM

Benefits

- Versatile serial to LAN connectivity
- Great performance for users
- Access security
- Make full use of network budget
- Advance network management

Applications

- Telecom operation support and maintenance
- Electric Power distribution management
- Internet/Intranet remote access
- Server/device console management
- Front desk terminal access

Ports Interface	1	2	4	8	16	32
RS-232			✓	✓	✓	
RS-422						
RS-485						

Specifications

Hardware

Processor	Intel i960JF-25
Memory	2 MB for CN2516 1 MB for CN2508/CN2504
Flash ROM	512 KB
I/O controller	16C954 UART

Interface

LAN	One 100 Base-TX (10/100 Mbps)
Serial	4/8/16 RS-232 Ports (RJ45)
Console	One RS-232 Console Port (RJ45)
Printer	One Centronics Parallel Port (DB25)
LED indicators	Tx/Rx LED for each serial port, Power LED, Ready LED, 10M LAN LED, 100M LAN LED, T/R Data Transfer LED
Port signals	DTR, DSR, DCD, RTS, CTS, TXD, RXD, and GND

Performance

Speed	230.4 Kbps
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Protocols

Network	TCP/IP, ARP, UDP, ICMP, NetBEUI
WAN	PPP, SLIP, CSLIP, Dial-on-demand, Dial-out
Application	Telnet, Rlogin, Rtelnet, RAW TCP, DNS, LPD, RCP, WINS
Security	RADIUS, Dialback, PAP, CHAP, Local User/Password
Management	SNMP MIB II
IP routing	Static, RIP-1, RIP-2
TCP/IP programming	MOXA ASPP

Software

ASPP Library	UNIX, Windows
Real COM Port	Windows 2000, Windows NT, Windows 95/98
Fixed tty	SCO UNIX, Unix Ware 7, SVR 4.2, Linux, IBM AIX
Terminal sessions	8 sessions per port with hot key
Configuration	Terminal from console; Telnet from network

Power & Environment

Power requirements	Internal Auto-sensing 90 – 260V, 47 – 63 Hz, 60W
Operating temp.	0-55C
Rackmount	19-inch Standard Rack
Dimensions	440 x 190 x 44 mm (W x D x H)
Package weight	3.3 kg
Surge Protection	15 KV ESD surge protector for every signal
Regulatory approvals	FCC, CE, UL, C/UL, BSMI
Optical Isolation (Optional)	2 KV

If you need a product with optical isolation, see the optional accessories list for more information.

Ordering Information

CN2516	16 port 10/100 Mbps Async/comm Server
CN2508	8 port 10/100 Mbps Async/comm Server
CN2504	4 port 10/100 Mbps Async/comm Server
All items include	<ul style="list-style-type: none"> • Network Communication CD-Rom • User's manual • One CN20070 and one CN20040 cable

Optional Accessories

CN20070	150 cm RJ45 to female DB9 RS-232 (DCE) cable
CN20040	150 cm RJ45 to male DB25 RS-232 (DTE) cable
A52	Smart RS-232 to RS-422/RS-485 bi-directional converter
A53	Smart RS-232 to RS-422/RS-485 bi-directional converter, supports optical isolation protection (2 KV)

CN2508 Front Panel



CN2508 Rear Panel



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