

# CN2500 Async Server

*Multi-Functional 10/100 Mbps Communication Server*

## Overview

Moxa's CN2500 Async Server, with the latest 10/100 Mbps LAN interface and 4/8/16 serial interfaces, is the best multifunctional Communication Server on the market.

CN2500 incorporates all of the popular features, such as ASPP Async Device Control, Rtelnet console management, and PPP/SLIP/Terminal remote access, into its new cutting-edge hardware design. It also adopts a 19-inch rackmount chassis that fits better with other network equipment, and each of its 4/8/16 serial ports has a dedicated LED indicator to display its Tx/Rx status at all times. Furthermore, it has a built-in surge protector for every signal.

CN2500 technology incorporates various enhanced software features. In addition to RADIUS Server for Dial-In accounts used by the CN2100, CN2500 embeds a user database, providing alternatives for user profile management. RIP I/II, another advancement in Async Server design, makes LAN-to-LAN routing more convenient than ever.

CN2500 provides the same exceptional stability and performance among 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

- LAN-to-Async connectivity
- 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
- 19 inch rack-mountable
- 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
- Easy Windows configuration
- Auto-recognition for PPP/SLIP/Terminal
- Max. 8 Telnet/Rlogin sessions under Terminal mode
- Supports SNMP, MIB II Network Management
- Supports PAP, CHAP, RADIUS, Dial-Back Security
- Supports Static, RIP I/II routing
- Supports Telnet, Reverse Telnet, and Rlogin
- Upgradeable firmware via Flash ROM

## Applications

- Transparent async device control
- Branch to central office routing
- Internet/Intranet remote access
- Server console management
- Terminal server for multi-user systems
- Remote group printing

Ports	2	4	8	16	32
Interface	232	422	485		



## Specifications

### Hardware

CPU	Intel960JF-25
RAM	2 Mbytes for CN2516 1 Mbytes for CN2508/CN2504
Flash ROM	512 Kbytes
UART	16C954
Surge protector	15 KV ESD surge protector for every signal

### Interface

LAN	One 100Base-TX (10/100 Mbps)
Serial	4/8/16 RS-232 Ports (RJ45)
Console	One RS-232 Console Port (RJ45)
Printer	One Centronic 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

### 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 I, RIP II
TCP/IP programming	MOXA ASPP

### Software

Real COM port	Windows NT
Fixed tty	SCO UNIX, Linux, IBM AIX, SUN Solaris, HP-UNIX
Terminal sessions	8 sessions per port with hot key

Configuration	Terminal from console; Telnet from network
---------------	---

### Power & Environment

Power	Internal Auto-sensing 90-260V, 47- 63Hz, 60W
Operating temp.	0-50° C
Rackmount	19 inch Standard Rack
Dimensions (without ear)	440 x 190 x 44 mm (W x D x H)
Package weight	3.3kg



## Ordering Information

CN2516	16 port CN2500 Async Server with one CN20030 and one CN20040
CN2508	8 port CN2500 Async Server with one CN20030 and one CN20040
CN2504	4 port CN2500 Async Server with one CN20030 and one CN20040

### Optional Accessories

CN20030	150 cm RJ45 to female DB25 RS-232 (DCE) cable
CN20040	150 cm RJ45 to male DB25 RS-232 (DTE) cable
A50	RS-232 to RS-422/RS-485 bi-directional converter
A51	RS-232 to RS-422/RS-485 bi-directional converter with 2000 V optical protector

CN2500 Front Panel



CN2500 Rear Panel



Distributeur	Siège	Paris	
	Parc d'activité de Boufféré 85600 Montaigu Tel : +33 (0) 251 09 2660 Fax : +33 (0) 251 09 2585	166 Bd Montparnasse 75014 Paris Tel : + 33 (0) 142 79 5183 Fax : +33 (0) 142 79 5184	<b>Allemagne</b> (Laudenbach) <b>Autriche</b> (Vienne) <b>Grande Bretagne</b> (Londres) <b>Suisse</b> (Bubikon)
	<a href="http://www.sphinxconnect.com">http://www.sphinxconnect.com</a>	e-mail : mail@sphinxconnect.com	