CN2600 Series

8 and 16-port RS-232/422/485 terminal servers with dual-LAN redundancy



Features and Benefits

- LCD panel for easy IP address configuration (excluding wide-temperature range models)
- Dual-LAN cards with two independent MAC addresses and IP addresses
- · Redundant COM function available when both LANs are active
- Dual-host redundancy can be used to add a backup PC to your system
- Dual-AC-power inputs (for AC models only)
- Real COM/TTY drivers for Windows and Linux
- Universal high-voltage range: 100 to 240 VAC or 88 to 300 VDC

Certifications

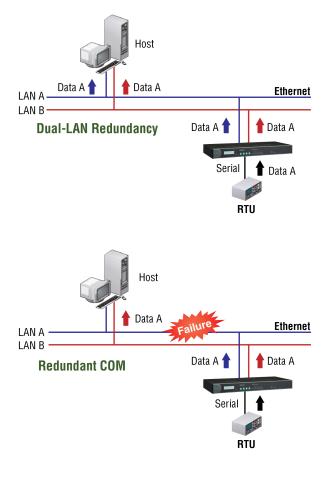
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Introduction

Redundancy is an important issue for industrial networks, and various types of solutions have been developed to provide alternative network paths when equipment or software failures occur. "Watchdog" hardware is installed to utilize redundant hardware, and a "Token"- switching software mechanism is applied. The CN2600 terminal server uses its built-in Dual-LAN ports to implement a "Redundant COM" mode that keeps your applications running uninterrupted.

Dual-LAN Redundancy

The CN2600 has two separate LAN ports that can be connected to separate LAN networks. Dual-LAN redundancy involves setting up two separate physical networks to connect the PC host with the CN2600 (the PC host also requires two LAN cards). If one connection fails, the PC host can still communicate with your serial devices over the alternative LAN connection.

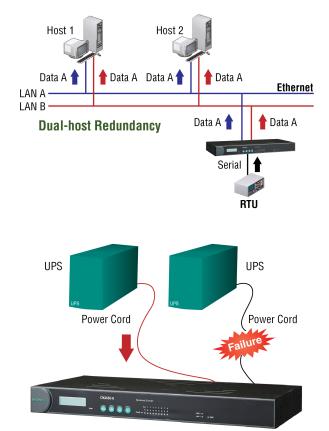


Redundant COM

Moxa offers "Redundant COM," an easy-to-use application to provide an alternative solution for network redundancy. When the CN2600 receives a data packet from a connected device, two identical data packets are sent over two independent LAN connections to prevent lost data packets if one LAN connection becomes unavailable. The CN2600 software is programmed to automatically discard duplicate data packets.

Dual-host Redundancy

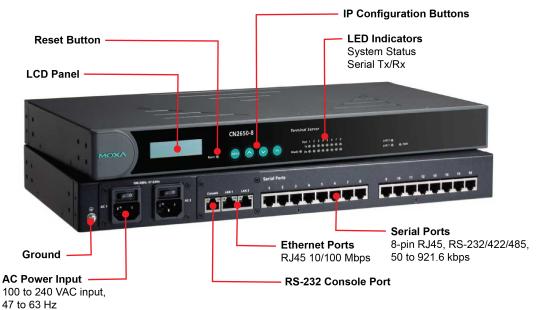
The CN2600's dual-LAN cards can also be used to set up "dual-host" redundancy. In this case, both networks (LAN A and LAN B in the figure) are connected to two different hosts. If either of the two hosts shuts down unexpectedly, the other host will still be able to communicate with serial devices connected to the CN2600.



Dual-AC Model Supported

Dual-power redundancy uses two power inputs and redundant internal power supplies to ensure that all of the CN2600's functions will be available, even in the event of power circuit failures.

Appearance



Specifications

Ethernet Interface	
10/100BaseT(X) Ports (RJ45 connector)	2
Magnetic Isolation Protection	1.5 kV (built-in)



Ethernet Software Features	
Configuration Options	CN2610-8/CN2610-16: Serial Console, Telnet Console, Windows Utility, Device Search Utility (DSU) CN2650-8/CN2650-16/CN2600-2AC models: Serial Console, Telnet Console, Windows Utility, Device Search Utility (DSU), Web console (HTTP/HTTPS)
Management	ARP, BOOTP, DDNS, DHCP Client, DNS, HTTP, IPv4, SMTP, SNMPv1/v2c/v3, TCP/IP, Telnet, UDP, ICMP, SLIP
МІВ	MIB-II
Security	HTTPS/SSL, RADIUS, SSH, PAP, CHAP
Unicast Routing	RIPV1/V2, Static Route
Windows Real COM Drivers	Windows 95/98/ME/NT/2000, Windows XP/2003/Vista/2008/7/8/8.1/10 (x86/x64), Windows 2008 R2/2012/2012 R2 (x64), Windows Embedded CE 5.0/6.0, Windows XP Embedded
Linux Real TTY Drivers	Kernel versions: 2.4.x, 2.6.x, 3.x, 4.x, and 5.x
Fixed TTY Drivers	SCO UNIX, SCO OpenServer, UnixWare 7, QNX 4.25, QNX 6, Solaris 10, FreeBSD, AIX 5. x, HP-UX 11i, Mac OS X
Android API	Android 3.1.x and later
Serial Interface	
Connector	8-pin RJ45
No. of Ports	CN2610-8 models: 8 CN2610-16 models: 16
Serial Standards	CN2610 models: RS-232 CN2650 models: RS-232, RS-422, RS-485
Operation Modes	Real COM mode, TCP Server mode, TCP Client mode, UDP mode, RFC2217 mode, Terminal mode, Reverse Telnet mode, PPP mode, DRDAS mode, Redundant COM mode, Disabled
Baudrate	50 bps to 921.6 kbps
Data Bits	5, 6, 7, 8
Stop Bits	1, 1.5, 2
Parity	None, Even, Odd, Space, Mark
Flow Control	None, RTS/CTS, DTR/DSR, XON/XOFF
Isolation	CN2650I Series: 2 kV
RS-485 Data Direction Control	ADDC® (automatic data direction control)
Pull High/Low Resistor for RS-485	1 kilo-ohm, 150 kilo-ohms
Terminator for RS-485	120 ohms
Console Port	RS-232 (TxD, RxD, GND), 8-pin RJ45 (19200, n, 8, 1)
Serial Signals	
RS-232	TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND
RS-422	Tx+, Tx-, Rx+, Rx-, GND
RS-485-4w	Tx+, Tx-, Rx+, Rx-, GND
RS-485-2w	Data+, Data-, GND



No. of Power inputsCH2800 Series : 1 CH2800 Series : 20 mA # 110 VAC CH2800 Series : 20 mA # 110 VAC CH2800 Series : 20 mA # 110 VAC CH2800 Series : 20 mA # 180 VAC A 110 VAC A 110 VAC CH2800 Series : 100 CR280 S000 VDC)Input VoltageAC models: 100 to 240 VAC, 47 to 58 Hz Do models: 110 VC (88 to 300 VDC)Automatic Reboat TriggerBuilt-in WJDTAutomatic Reboat TriggerBuilt-in WJDTAutomatic Reboat TriggerBuilt-in WJDTAutomatic Reboat TriggerBuilt-in WJDTAutomatic Reboat TriggerBuilt-in WJDTHousingMetalInstallation19-Iach rack mountingDimensions (with cara)400 x 188 x 46.5 mm (16.9 x 7.80 x 1.77 in)Dimensions (with cara)400 x 188 x 46.5 mm (17.23 x 7.80 x 1.77 in)Dimensions (without earn)400 x 188 x 46.5 mm (17.23 x 7.80 x 1.77 in)VeightCh2810-47.04.20 (6.42 bi) Ch2810-42.04.04 (6.42 bi) Ch2810-42.04.04 (6.42 bi) Ch2810-42.04 (6.42 bi) Ch2810-42 bill (6.44 bi) Ch28200-44 bill (6.44 bi) Ch2820	Power Parameters	
Ch2eb03 Gerles - HV models: 200 mA & 88 VDC Input Voltage AC models: 110 VDC (88 to 300 VDC) Peliability Built-in WDT Automatic Reboot Trigger Built-in WDT Aert Tools Built-in WDT Prysical Characteristics Housing Metal Installation 19-inch rack mounting Dimensions (with ears) 480 x 198 x 45.5 mm (7.32 x 7.30 x 1.77 in) Dimensions (without ears) 440 x 198 x 45.5 mm (7.32 x 7.30 x 1.77 in) Other Characteristics Weight Ch2e10 - (6/Ch2850-68.2,400 g (5.47 H)) (Ch2850-16-2A/CH2850-68.2,400 g (5.47 H)) (Ch2850-16-2A/CH2850-68.2,400 g (5.47 H)) (Ch2850-16-2A/CH2850-16-2	No. of Power Inputs	
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HousingMetalInstallation19-Inch rack mountingDimensions (with ears)480 x 198 x 45.5 mm (18.9 x 7.80 x 1.77 in)Dimensions (without ears)440 x 198 x 45.5 mm (17.32 x 7.80 x 1.77 in)WeightCN8810-8/CN8550-8: 2.400 g (5.31 lb) CN8810-8/CN8550-18: 2.400 g (5.31 lb) CN8810-8/CN8550-18: 2.400 g (5.64 lb) CN8810-8/CN8550-18: 2.400 g (5.64 lb) CN8810-8:20/CN8550-18: 2.400 g (5.64 lb) CN8850-18: 2.400 g (5.62 lb) CN8550-18: 2.400 lb) C	Alert Tools	Built-in buzzer and RTC (real-time clock)
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Dimensions (with ears) 480 x 198 x 45.5 mm (18.9 x 7.80 x 1.77 in) Dimensions (without ears) 440 x 199 x 45.5 mm (17.32 x 7.80 x 1.77 in) Weight CN2610-8/CN2650-8: 2.410 g (5.31 lb) CN2610-8/CN2650-8: 2.401 g (4.21 lb) CN2610-8/2.402 g (4.24 lb) CN26501-8: 2.405 g (4.24 lb) CN26501-8: 2.405 g (4.24 lb) CN26501-8: 2.405 g (4.24 lb) CN26501-8: 2.405 g (4.28 lb) CN26501-8: 4.404 g (8.48 lb) CN26501-8: 4.404 g (8.48 lb) CN26501-8: 4.404 g (8.48 lb) CN26501-8: 4.404 g (8.48 lb) CN26501-8: 4.405 g (6.27 lb) Storage Temperature (package included) Standard Models: 0 to 55°C (32 lo 131°F) CN26501-8: 4.407 g (5.27 lb) Storage Temperature (package included) Standard Models: 0 to 55°C (32 lo 131°F) CN26501-8: 4.407 rD'S°C (40 to 185°F) Ambient Relative Humidity 5 to 95% (non-condensing) Standards and Certifications EMI EMI CISPR 32, FCC Part 15B Class A EMS CiSPR 32, FCC Part 15B Class A EMS LiC 61000-4: 2 ESD: Contact: 8 kV; Air: 15 kV IEC 61000-4: 4 EFT: Power 4 kV; Signai: 1 kV IEC 61000-4: 4 EFT: Power 4 kV; Signai: 3 V/m IEC 61000-4: 4 EFT: Power 4 kV; Signai: 3 V/m IEC 61000-4: 4 EFT: Power 4 kV; Signai: 3 V/m IEC 61000-4: 4 EFT: Power 4 kV; Signai: 3 V/m IEC 61000-4: 4 EFT: Power 4 kV; Signai: 1 kV	Housing	Metal
Dimensions (without ears) 440 x 198 x 45.5 mm (17.32 x 7.80 x 1.77 in) Weight CN2810-8/CN2850-8: 2,410 g (5.42 lb) CN2810-16/CN2850-16: 2,400 g (5.42 lb) CN2810-16-2.AC/CN2850-16: 2,AC/CN2850-16: 2,AC g (5.64 lb) CN28501-8: 3,402 g (5.61 lb) CN28501-8: 2,402 g (5.61 lb) CN28501-8: 2,402 g (5.71 lb) CN28501-8: 2,402 g (5.72 lb) CN28501-8: 2,402 g (5.72 lb) CN28501-8: 2,402 g (5.72 lb) CN28501-8: 2,402 g (5.73 lb) CN28501-8: 2,402 g (5.73 lb) Environmental Limits CN28501-8: 2,402 g (5.73 lb) CN28501-8: 4,042 g (5.73 lb) Operating Temperature Standard Models: 0 to 55°C (32 to 131°F) Wide Temp. Models: -40 to 75°C (40 to 187°F) CN2850-14-VT. T0,848 g (8.48 lb) CN28501-8: 400 to 85°C (-40 to 187°F) Storage Temperature (package included) Standard Models: 0 to 55°C (32 to 131°F) CN2850-14-VT. T0,848 g (8.47 lb) Storage Temperature (package included) Standard Models: 0 to 55°C (40 to 187°F) CN2850-16-4V-T. 40 to 85°C (-40 to 187°F) Standard Models: D to 55°C (32 to 131°F) CN2850-16-4V-T40 to 75°C (40 to 187°F) CN2850-16-4V-T40 to 75°C (40 to 187°F) Standards and Certifications E E EMG Ion -1 models: EN 55032/24 -1 models: EN 55032/35 EMI CISPR 32, FCC Part 15B Class A EMS AC models: IEC 6 1000-4-3 RS: 80 MHz to 1 GHz; 10 V/m IEC 6 1000-4-4 RS: 10 V/m IEC 6 1000-4-4 RS: 10 V/m IEC 6 1000-4-4 S Surge: Fower: 2, 50 N; Signal: 1 V/ IEC 6 1000-4-4 S Surge: Fower: 2, 50 N; Signal: 3 V/m IEC 6 1000-4-4 EFT: Power: 4 V; Signal: 2 V/ IEC 6 1000-4-4 EFT: Power: 4 V; Signal: 1 V/ IEC	Installation	19-inch rack mounting
Weight CN2810-8/CN2850-8: 2.410 g (5.31 lb) CN2810-16/CN2850-18: 2.400 g (5.42 lb) CN2810-18: 2.02/CN2850-18: 2.2400 g (5.82 lb) CN28501-18: 2.02(CN2850-16-2AC-T: 2.640 g (5.82 lb) CN28501-18: 4.040 g (5.92 lb) CN28501-16: 4.040 g (5.92 lb) CN2850-116: 4.040 lb) CN2	Dimensions (with ears)	480 x 198 x 45.5 mm (18.9 x 7.80 x 1.77 in)
CA2610-16/C/N2650-16:2AC/C-1:40 to 185°F)Storage Temperature (package included)Standard Models: 0 to 55°C (32 to 131°F) CN2650-18:4V-T/CN2650-16:4V-T: 40 to 85°C (-40 to 185°F)Ambient Relative Humidity5 to 95% (non-condensing)Standards and CertificationsEMCEMSAC models: IEC 61000-4:2 ESD: Contact: 8 kV; Air: 15 kV IEC 61000-4:2 ESD: Contact: 8 kV; Signal: 12 kV IEC 61000-4:2 ESD: Contact: 8 kV; Signal: 3 V/m IEC 61000-4:2 ESD: Contact: 8 kV; Signal: 3 V/m IEC 61000-4:2 ESD: Contact: 8 kV; Signal: 3 V/m IEC 61000-4:2 ESD: Contact: 4 kV;	Dimensions (without ears)	440 x 198 x 45.5 mm (17.32 x 7.80 x 1.77 in)
Operating Temperature Standard Models: 0 to 55°C (32 to 131°F) Wide Temp. Models: -40 to 75°C (-40 to 187°F) CN2650-HV-T Models: -40 to 85°C (-40 to 187°F) Storage Temperature (package included) Standard Models: 0 to 55°C (32 to 131°F) CN2650-8-2AC-T7/CN2650-16-2AC-T: -40 to 75°C (40 to 167°F) CN2650-8-2AC-T7/CN2650-16-2AC-T: -40 to 85°C (-40 to 185°F) Ambient Relative Humidity 5 to 95% (non-condensing) Standards and Certifications EMC EMC Non -1 models: EN 55032/24 -1 models: EN 55032/35 EMI CISPR 32, FCC Part 15B Class A EMS AC models: IEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/m IEC 61000-4-4 RC: 10 V/m IEC 61000-4-3 RS: 80 MHz to 1 GHz: 3 V/m; Signal: 3 V/m IEC 61000-4-4 RC: 10 KV; Signal: 2 KV IEC 61000-4-3 RC: 10 KHZ: 10 80 MHZ: 3 V/m; Signal: 3 V/m IEC 61000-4-4 RC: 10 RC: 3 KV; Signal: 2 KV IEC 61000-4-4 RC: 10 RC: 3 KV; Signal: 2 KV IEC 61000-4-4 RC: 10 RC: 3 KV; Signal: 2 KV IEC 61000-4-4 RC: 10 RC: 3 KV; Signal: 2 KV IEC 61000-4-4 RC: 2 SD: Contact: 4 KV; Air: 8 KV IEC 61000-4-4 RC: 2 SD: Contact: 4 KV; Air: 8 KV IEC 61000-4-4 RC: 2 SD: Contact: 4 KV; Air: 8 KV IEC 61000-4-4 RC: 2 SD: Contact: 4 KV; Air: 8 KV IEC 61000-4-4 RC: 2 SD: Contact: 4 KV; Air: 8 KV IEC 61000-4-4 RC: 2 SD: Contact: 4 KV; Signal: 2 KV IEC 61000-4-4 RC: 2 SD: Contact: 4 KV; Signal: 2 KV	Weight	CN2610-16/CN2650-16: 2,460 g (5.42 lb) CN2610-8-2AC/CN2650-8-2AC/CN2650-8-2AC-T: 2,560 g (5.64 lb) CN2610-16-2AC/CN2650-16-2AC/CN2650-16-2AC-T: 2,640 g (5.82 lb) CN2650I-8: 3,907 g (8.61 lb) CN2650I-16: 4,046 g (8.92 lb) CN2650I-8-2AC: 4,284 g (9.44 lb) CN2650I-16-2AC: 4,423 g (9.75 lb) CN2650I-8-HV-T: 3,848 g (8.48 lb)
Wide Temp. Models: -40 to 75°C (-40 to 167°F) CN2650-HV-T Models: -40 to 85°C (-40 to 185°F)Storage Temperature (package included)Standard Models: 0 to 55°C (32 to 131°F) CN2650-8-2AC-T7/CN2650-16-2AC-T: -40 to 75°C (40 to 167°F) CN2650-8-2AC-T7/CN2650-16-2AC-T: -40 to 75°C (40 to 185°F)Ambient Relative Humidity5 to 95% (non-condensing)Standards and CertificationsEMCEMCNon -I models: EN 55032/24 -I models: EN 55032/35EMICISPR 32, FCC Part 15B Class AEMSAC models: IEC 61000-4-2 ESD: Contact: 8 kV; Air: 15 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/m IEC 61000-4-4 EFT: Power: 4 kV; Signal: 1 kV IEC 61000-4-4 BFT: Power: 4 kV; Signal: 3 V/m IEC 61000-4-4 RFT: 9 Wer: 2 kV; Signal: 3 V/m IEC 61000-4-4 RFT: 9 Wer: 4 kV; Signal: 2 kV IEC 61000-4-4 RFT: 9 Wer: 4 kV; Signal: 2 kV IEC 61000-4-4 RFT: 9 Wer: 4 kV; Signal: 2 kV IEC 61000-4-4 RFT: 9 Wer: 4 kV; Signal: 2 kV IEC 61000-4-4 RFT: 9 Wer: 4 kV; Signal: 2 kV IEC 61000-4-4 RFT: 9 Wer: 4 kV; Signal: 2 kV IEC 61000-4-4 RFT: 9 Wer: 4 kV; Signal: 2 kV IEC 61000-4-4 RFT: 9 Wer: 4 kV; Signal: 2 kV IEC 61000-4-4 RFT: 9 Wer: 4 kV; Signal: 2 kV IEC 61000-4-4 RFT: 9 Wer: 4 kV; Signal: 2 kV IEC 61000-4-4 RFT: 9 Wer: 4 kV; Signal: 2 kV IEC 61000-4-4 RFT: 9 Wer: 4 kV; Signal: 2 kV IEC 61000-4-4 RFT: 9 Wer: 4 kV; Signal: 2 kV IEC 61000-4-4 RFT: 9 Wer: 4 kV; Signal: 2 kV IEC 61000-4-4 RFT: 9 Wer: 4 kV; Signal: 2 kV IEC 61000-4-4 RFT: 9 Wer: 4 kV; Signal: 2 kV IEC 61000-4-4 RFT: 9 Wer: 4 kV; Signal: 2 kV IEC 61000-4-4 RFT: 9 Wer: 4 kV; Signal: 2 kV IEC 61000-4-4 RFT: 9 Wer: 2 kV; Signal: 2 kV IEC 61000-4-4 RFT: 9 Wer: 2 kV; Signal: 1 kV	Environmental Limits	
CN2650-8-2AC-T/CN2650-16-2AC-T: -40 to 75°C (40 to 167°F) CN2650I-8-HV-T/CN2650I-16-HV-T: -40 to 85°C (-40 to 185°F)Ambient Relative Humidity5 to 95% (non-condensing)Standards and CertificationsEMCNon -I models: EN 55032/24 -I models: EN 55032/35EMICISPR 32, FCC Part 15B Class AEMSAC models: IEC 61000-4-2 ESD: Contact: 8 kV; Air: 15 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/m IEC 61000-4-8 IEC 61000-4-8 IEC 61000-4-8 IEC 61000-4-8 IEC 61000-4-8 IEC 61000-4-8 IEC 61000-4-8 IEC 61000-4-8 IEC 61000-4-4 EFT: Power: 2 kV; Signal: 3 V/m IEC 61000-4-4 EFT: Power: 4 kV; Air: 8 kV IEC 61000-4-4 EFT: Power: 4 kV; Air: 8 kV IEC 61000-4-8 IEC 61000-4-4 EFT: Power: 4 kV; Air: 8 kV IEC 61000-4-8 IEC 61000-4-4 EFT: Power: 4 kV; Air: 8 kV IEC 61000-4-8 IEC 61000-4-4 EFT: Power: 4 kV; Air: 8 kV IEC 61000-4-4 EFT: Power: 4 kV; Signal: 1 kV	Operating Temperature	Wide Temp. Models: -40 to 75°C (-40 to 167°F)
Standards and Certifications EMC Non -1 models: EN 55032/24 -1 models: EN 55032/35 EMI CISPR 32, FCC Part 15B Class A EMS AC models: IEC 61000-4-2 ESD: Contact: 8 kV; Air: 15 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/m IEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/m IEC 61000-4-5 Surge: Power: 2 kV; Signal: 1 kV IEC 61000-4-8 IEC 61000-4-8 IEC 61000-4-8 IEC 61000-4-8 IEC 61000-4-8 IEC 61000-4-4 EFT: Power: 4 kV; Air: 8 kV IEC 61000-4-4 EFT: Power: 4 kV; Signal: 2 kV	Storage Temperature (package included)	CN2650-8-2AC-T/CN2650-16-2AC-T: -40 to 75°C (40 to 167°F)
EMCNon -1 models: EN 55032/24 -1 models: EN 55032/35EMICISPR 32, FCC Part 15B Class AEMSAC models: IEC 61000-4-2 ESD: Contact: 8 kV; Air: 15 kV IEC 61000-4-2 ESD: Contact: 8 kV; Signal: 2 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/m IEC 61000-4-4 EFT: Power: 4 kV; Signal: 2 kV IEC 61000-4-6 CS: 150 kHz to 80 MHz: 3 V/m; Signal: 3 V/m IEC 61000-4-8 IEC 61000-4-8 IEC 61000-4-8 IEC 61000-4-11 DIPsHVDC models: IEC 61000-4-2 ESD: Contact: 4 kV; Air: 8 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 3 V/m IEC 61000-4-8 IEC 61000-4-11 DIPs	Ambient Relative Humidity	5 to 95% (non-condensing)
Imodels: EN 55032/35EMICISPR 32, FCC Part 15B Class AEMSAC models: IEC 61000-4-2 ESD: Contact: 8 kV; Air: 15 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/m IEC 61000-4-4 EFT: Power: 4 kV; Signal: 2 kV IEC 61000-4-5 Surge: Power: 2.5 kV; Signal: 1 kV IEC 61000-4-8 IEC 61000-4-8 IEC 61000-4-8 IEC 61000-4-8 IEC 61000-4-11 DIPsHVDC models: IEC 61000-4-3 RS: 80 MHz to 1 GHz: 3 V/m IEC 61000-4-3 RS: 80 MHz to 1 GHz: 3 V/m IEC 61000-4-4 EFT: Power: 4 kV; Air: 8 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 3 V/m IEC 61000-4-4 EFT: Power: 2 kV; Signal: 2 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 3 V/m IEC 61000-4-3 RS: 80 MHz to 1 GHz: 3 V/m IEC 61000-4-4 EFT: Power: 2 kV; Signal: 2 kV IEC 61000-4-5 Surge: Power: 2 kV; Signal: 1 kV	Standards and Certifications	
EMS AC models: IEC 61000-4-2 ESD: Contact: 8 kV; Air: 15 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/m IEC 61000-4-4 EFT: Power: 4 kV; Signal: 2 kV IEC 61000-4-5 Surge: Power: 2.5 kV; Signal: 1 kV IEC 61000-4-6 CS: 150 kHz to 80 MHz: 3 V/m; Signal: 3 V/m IEC 61000-4-8 IEC 61000-4-11 DIPs HVDC models: IEC 61000-4-2 ESD: Contact: 4 kV; Air: 8 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 3 V/m IEC 61000-4-4 EFT: Power: 4 kV; Signal: 2 kV IEC 61000-4-5 Surge: Power: 2 kV; Signal: 1 kV	EMC	
IEC 61000-4-2 ESD: Contact: 8 kV; Air: 15 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/m IEC 61000-4-4 EFT: Power: 4 kV; Signal: 2 kV IEC 61000-4-5 Surge: Power: 2.5 kV; Signal: 1 kV IEC 61000-4-6 CS: 150 kHz to 80 MHz: 3 V/m; Signal: 3 V/m IEC 61000-4-8 IEC 61000-4-11 DIPs HVDC models: IEC 61000-4-2 ESD: Contact: 4 kV; Air: 8 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 3 V/m IEC 61000-4-4 EFT: Power: 4 kV; Signal: 2 kV IEC 61000-4-5 Surge: Power: 2 kV; Signal: 1 kV	EMI	CISPR 32, FCC Part 15B Class A
	EMS	IEC 61000-4-2 ESD: Contact: 8 kV; Air: 15 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/m IEC 61000-4-4 EFT: Power: 4 kV; Signal: 2 kV IEC 61000-4-5 Surge: Power: 2.5 kV; Signal: 1 kV IEC 61000-4-6 CS: 150 kHz to 80 MHz: 3 V/m; Signal: 3 V/m IEC 61000-4-8 IEC 61000-4-11 DIPs HVDC models: IEC 61000-4-2 ESD: Contact: 4 kV; Air: 8 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 3 V/m IEC 61000-4-4 EFT: Power: 4 kV; Signal: 2 kV IEC 61000-4-5 Surge: Power: 2 kV; Signal: 1 kV

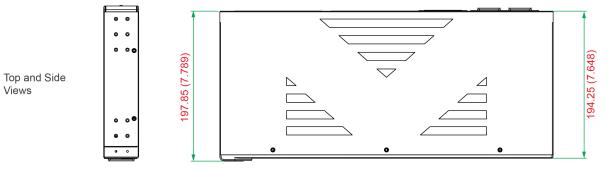


	IEC 61000-4-8
Safety	Non -I models: UL 60950-1 -I models: UL 62368-1
Vibration	IEC 60068-2-6
Freefall	IEC 60068-2-32
Declaration	
Green Product	RoHS, CRoHS, WEEE
MTBF	
Time	CN2610-8: 831,925 hrs CN2610-16: 639,332 hrs CN2610-8-2AC/CN2650-8-2AC: 773,268 hrs CN2610-16-2AC: 604,346 hrs CN2650-8: 657,123 hrs CN2650-16: 457,175 hrs CN2650-16-2AC: 442,699 hrs CN26501-8/CN26501-8-2AC/CN2650-8-2AC-T: 190,562 hrs CN26501-8/CN26501-8-2AC/CN2650-16-2AC-T: 115,887 hrs CN26501-8-HV-T: 191,326 hrs CN26501-16-HV-T: 116,924 hrs
Standards	Telcordia (Bellcore) Standard TR/SR
Warranty	
Warranty Period	5 years
Details	See www.moxa.com/warranty
Package Contents	
Device	1 x CN2600 Series terminal server
Installation Kit	1 x rack-mounting kit
Cable	1 x RJ45-to-DB9 console cable 1 x power cord, suitable for your region (AC models)
Documentation	1 x quick installation guide 1 x warranty card



Dimensions





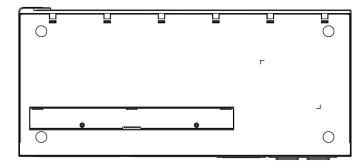


Front View

Rear View

Bottom View

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91)	
50 (1.7	CN2650-16-2AC Reminut / Server MOXAN Marco MoxAN Marco MoxAN Marco Marco SO Marco
45.	



Ordering Information

Model Name	Serial Standards	No. of Serial Ports	Serial Connector	Isolation	No. of Power Inputs	Power Input	Operating Temp.
CN2610-8	RS-232	8	8-pin RJ45	-	1	100-240 VAC	0 to 55°C
CN2610-16	RS-232	16	8-pin RJ45	-	1	100-240 VAC	0 to 55°C
CN2610-8-2AC	RS-232	8	8-pin RJ45	-	2	100-240 VAC	0 to 55°C
CN2610-16-2AC	RS-232	16	8-pin RJ45	-	2	100-240 VAC	0 to 55°C
CN2650-8	RS-232/422/485	8	8-pin RJ45	-	1	100-240 VAC	0 to 55°C
CN2650-16	RS-232/422/485	16	8-pin RJ45	-	1	100-240 VAC	0 to 55°C
CN2650-8-2AC	RS-232/422/485	8	8-pin RJ45	-	2	100-240 VAC	0 to 55°C
CN2650-8-2AC-T	RS-232/422/485	8	8-pin RJ45	-	2	100-240 VAC	-40 to 75°C
CN2650-16-2AC	RS-232/422/485	16	8-pin RJ45	-	2	100-240 VAC	0 to 55°C
CN2650-16-2AC-T	RS-232/422/485	16	8-pin RJ45	-	2	100-240 VAC	-40 to 75°C
CN2650I-8	RS-232/422/485	8	DB9 male	2 kV	1	100-240 VAC	0 to 55°C
CN2650I-16	RS-232/422/485	16	DB9 male	2 kV	1	100-240 VAC	0 to 55°C



Model Name	Serial Standards	No. of Serial Ports	Serial Connector	Isolation	No. of Power Inputs	Power Input	Operating Temp.
CN2650I-8-2AC	RS-232/422/485	8	DB9 male	2 kV	2	100-240 VAC	0 to 55°C
CN2650I-16-2AC	RS-232/422/485	16	DB9 male	2 kV	2	100-240 VAC	0 to 55°C
CN2650I-8-HV-T	RS-232/422/485	8	DB9 male	2 kV	1	88-300 VDC	-40 to 85°C
CN2650I-16-HV-T	RS-232/422/485	16	DB9 male	2 kV	1	88-300 VDC	-40 to 85°C

Accessories (sold separately)

Cables	
CBL-F9M9-20	DB9 female to DB9 male serial cable, 20 cm
CBL-F9M9-150	DB9 female to DB9 male serial cable, 1.5 m
CBL-RJ45M25-150	8-pin RJ45 to DB25 male serial cable, 1.5m
CBL-RJ45SF25-150	8-pin RJ45 to DB25 female serial cable with shielding, 1.5m
CBL-RJ45F25-150	8-pin RJ45 to DB25 female serial cable, 1.5 m
CBL-RJ45M9-150	8-pin RJ45 to DB9 male serial cable, 1.5m
CBL-RJ45SM9-150	8-pin RJ45 to DB9 male serial cable with shielding, 1.5m
CBL-RJ45SF9-150	8-pin RJ45 to DB25 male serial cable with shielding, 1.5m
CBL-RJ45SM25-150	8-pin RJ45 to DB9 female serial cable with shielding, 1.5m
CBL-RJ45F9-150	8-pin RJ45 to DB9 female serial cable, 1.5m
Connectors	
Mini DB9F-to-TB	DB9 female to terminal block connector
Power Cords	
PWC-C13AU-3B-183	Power cord with Australian (AU) plug, 1.83 m
PWC-C13CN-3B-183	Power cord with three-prong China (CN) plug, 1.83 m
PWC-C13EU-3B-183	Power cord with Continental Europe (EU) plug, 1.83 m
PWC-C13JP-3B-183	Power cord with Japan (JP) plug, 7A/125V, 1.83 m
PWC-C13UK-3B-183	Power cord with United Kingdom (UK) plug, 1.83 m
PWC-C13US-3B-183	Power cord with United States (US) plug, 1.83 m
Rack-Mounting Kits	
WK-45-01	Rack-mounting kit, 2 L-shaped plates, 8 screws, 45 x 57 x 2.5 mm

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