

# Network Communication Products

## Media Conversion Solution

### A52/53 RS-232 to RS-422/485 Converters



- ADDCTM (Automatic Data Direction Control) RS-485 data control
- Auto baudrate sensing
- RS-422 hardware flow control: CTS, RTS signals
- LED indicators for power and signal states
- RS-485 multidrop operation, up to 32 nodes
- Surge protection, 25 KV ESD
- 2 KV isolation protection (A53)
- Built-in 120 termination resistor

Ordering Information	
Part No.	Description
A52:	RS-232 to RS-485 Converter with 25 KV ESD Surge Protection
A53:	RS-232 to RS-485 Converter with 25 KV ESD Surge Protection & 2 KV Isolation A52/110V or A52/230V: A52 with 110V or 230V Power Adaptor A53/110V or A53/230V: A53 with 110V or 230V Power Adaptor

### TCC-100/100I Isolated RS-232 to RS-422/485 Converters



- RS-232 to RS-422 conversion with RTS/CTS support
- RS-232 to 2/4-wire RS-485 conversion
- 2 KV isolation protection (TCC-100I)
- Wall and DIN-Rail mountable
- Plug-in screw terminal block for easy RS-422/485 wiring
- PWR, Tx, Rx LEDs
- Operating temperature from -20 to 60°C

Ordering Information	
Part No.	Description
TCC-100	RS-232 to RS-422/485 converter
TCC-100I	Isolated RS-232 to RS-422/485 converter

## Serial Device Server Solution

### NPort W2004 4-port Wireless Serial Device Servers

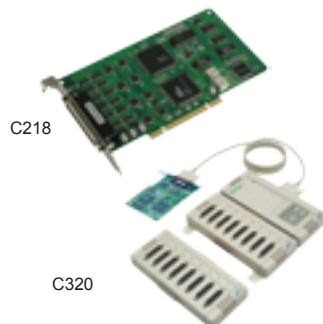


- Link any serial device to an IEEE802.11b/g network
- 4 RS-232/422/485 ports, at up to 460.8 Kbps
- Web-based configuration via built-in Ethernet or WLAN
- Supports Windows/Linux COM driver
- Supports TCP Server, TCP Client, and UDP modes
- Enhanced remote configuration via HTTPS, SSH

Ordering Information	
Part No.	Description
NPort W2004-US:	4-port RS-232/422/485 Device Server with 802.11b/g, antenna, US band, US plug
NPort W2004-EU:	4-port RS-232/422/485 Device Server with 802.11b/g, antenna, Euro band, Euro plug
NPort W2004-CN:	4-port RS-232/422/485 Device Server with 802.11b/g WLAN, antenna, Euro band, US plug, CCC
NPort W2004-UK:	4-port RS-232/422/485 Device Server with 802.11b/g WLAN, antenna, Euro band, UK plug
NPort W2004-SAA:	4-port RS-232/422/485 Device Server with 802.11b/g WLAN, antenna, Euro band, Australia plug

## Serial Communication Tutorial

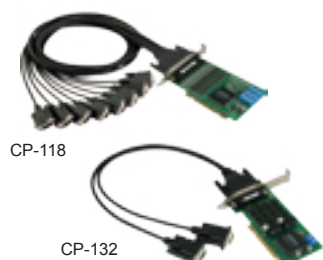
### C320/ C218 Turbo Series 8-to 32-port or 8-port Intelligent RS-232 Universal PCI, ISA Boards



- Effectively reduces CPU loading
- Versatile OS driver support
- Various connection options
- Data transmission speed up to 460.8 (C320) / 921.6 (C218) Kbps
- Embedded memory up to 512 KB

Ordering Information	
Control Board (must choose one)	
C32010T/PCI	Universal PCI board
C32010T:	ISA board
Connection Cable	
C32020T:	2 m DB25 to DB25 cable
C32050T:	2 m DB25(M) to DB25(F) 0-wire cable (optional)
Rackmount Connection Modules	
Basic Modules (must choose one)	
C32080T:	8-port, RS-232, 10-pin RJ45
C32081T:	16-port, RS-232, 10-pin RJ45
Extension Module (optional)	
C32082T:	8-port, RS-232, 10-pin RJ45
C32083T:	16-port, RS-232, 10-pin RJ45
C218Turbo/PCI:	Universal PCI bus, 8-port intelligent serial board
C218Turbo:	ISA bus, 8-port intelligent serial board

### PCI Serial Board 2-port, 4-port, and 8-port RS-232 and RS-422/485 Universal PCI Board



- Over 700 Kbps data throughput, for top performance
- Serial communication speed up to 921.6 Kbps
- 128-byte FIFO and on-chip H/W, S/W flow control
- Universal PCI compatible with 3.3/5V PCI and PCI-X
- Windows 2003/ XP/ 2000/ 98/ ME, Linux, UNIX driver support
- On-board 15 KV ESD protection

Ordering Information	
Part No.	Description
CP-118U:	8-port RS-232/422/485 Universal PCI Smart Serial Board
CP-168U V2:	8-port RS-232 Universal PCI Smart Serial Board
CP-134U V2:	4-port RS-422/485 Universal PCI Smart Serial Board (DB9 or DB25 cable included)
CP-134U-I V2:	4-port RS-422/485 board with 2 KV Optical Isolation Protection (DB9 or DB25 cable included)
CP-104UL:	4-port RS-232 Universal PCI Smart Serial Board, cable included
CP-104JU:	4-port RS-232 Universal PCI Smart Serial Board, 8-Pin RJ45 connectors
CP-102U:	2-port RS-232 Universal PCI Smart Serial Board
CP-102UL:	2-port RS-232 Universal PCI Smart Serial Board, Low Profile
CP-132UL:	2-port RS-422/485 Universal PCI Smart Serial Board
CP-132UL-I :	2-port RS-422/485 board with 2 KV Optical Isolation Protection

1  
Application  
Server  
Platform2  
Single  
Board  
Computer3  
IBX Series  
POS PC4  
AFOLUX  
POS  
Panel PC5  
Video  
Capture  
Card6  
KAMIO  
RISC7  
IOVU  
Open HMI8  
VITO  
Universal  
Controller9  
DINO  
BLADE10  
LCD  
Product  
Series11  
Embeded  
System12  
Industrial  
Computer  
Chassis13  
Power  
Supply14  
Peripherals