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# Four Port Serial

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In addition to supporting all the functionality of the one-port serial card, the four-port serial card supports transporting data from serial interfaces over an IP network. Data received on the serial interfaces is encapsulated into IP packets and sent over the IP network. IP packets destined for serial interfaces are stripped off their headers and the payload is transmitted over the serial interfaces. Each port can function in DTE or DCE mode. Used with the VX900 AB and AD only.

See the [Serial Interface Card Cables Specifications](#) topic for additional cable and connector specifications.

## Cables for the Four-Port Serial Interface Card

This section describes the cables that can be used with the Four-Port Serial card.

### *Non Standard Interface Cables*

The cables that are non-standard are listed below.

Non-Standard Interface Cables

Part number	Revision	Description
036054-001	A	Quad breakout cable (DTE)
036159-011	A	DTE Adapter with Terminal Timing and DCD support (25-pin M-F)
036159-002	A	DCE Adapter with Terminal Timing and DCD support (25-pin M-F)

- DTE adapter with Terminal timing support is optionally required for deployments that need terminal timing capability (for deployments that have a long (>12 feet) cable requirement and/or high (>4Mbps) speed requirement).
- DCE adapter is required for all DCE interfaces on VX.

### *Standard Interface Cables*

This table lists the cables that are not provided by NET and need to be purchased from a 3rd party vendor.

Standard Interface Cables

Description	Suggested Vendor <a href="http://www.Stonewallcable.com">http://www.Stonewallcable.com</a>	Comments	
530 M-M Gender changer	Stonewall Cable	GC-M25-2	
530 (M) to 449(M) adapter	Stonewall Cable	SC-9457-MM	10 foot
530 (M) to 449(F) adapter	Stonewall Cable	SC-9457-MF	10 foot
530 (M) to V.35(M) adapter	Stonewall Cable	SC-9834-MM	10 foot
530 (M) to V.35(F) adapter	Stonewall Cable	SC-9834MF	10 foot
Extender cables 530(m) to 530(F)	Stonewall Cable	SC-7561-MF	10 foot

## Cables/Adapters Required for Each Interface Type

The following section contains the list of cables/converters required for each kind of interface.

### *Common cables for all interface types (provided by NET)*

Each 4-port serial card requires one Quad breakout cable (P/N 036054).

### *Specific Converters/Cables required for each interface type*

The following converters will be required for each interface type:

## Additional Converters

Interface Type	Converters required in addition to the breakout cable
EIA530 DTE interface	<ul style="list-style-type: none"><li>• 530 M-M Gender Changer</li></ul>
EIA530 DTE interface with terminal timing (DCD support)	<ul style="list-style-type: none"><li>• 530 M-M Gender changer</li><li>• DTE Adapter</li></ul>
EIA530 DCE interface (DCD support)	<ul style="list-style-type: none"><li>• DCE Adapter</li></ul>
V.35 DTE interface	<ul style="list-style-type: none"><li>• 530(M) to V.35(M) adapter</li></ul>
V.35 DTE interface with terminal timing (DCD support)	<ul style="list-style-type: none"><li>• DTE Adapter</li><li>• 530(M) to V.35(M) adapter</li></ul>
V.35 DCE interface (DCD support)	<ul style="list-style-type: none"><li>• DCE Adapter</li><li>• 530(M) to V.35(F) adapter</li></ul>
EIA449 DTE interface	<ul style="list-style-type: none"><li>• 530(M) to EIA449(M) adapter</li></ul>
EIA449 DTE interface with terminal timing (DCD support)	<ul style="list-style-type: none"><li>• DTE Adapter</li><li>• 530(M) to EIA449(M) adapter</li></ul>
EIA449 DCE interface (DCD support)	<ul style="list-style-type: none"><li>• DCE Adapter</li><li>• 530(M) to EIA449(F) adapter</li></ul>

## Clocking Cables

The clocking cables required for the Four-Port Serial card include the following:

- Cable A (three-prong cable)
- Cable B (Cable that attaches Cable A to the Serial Card)

 Clocking cables are factory installed before shipment