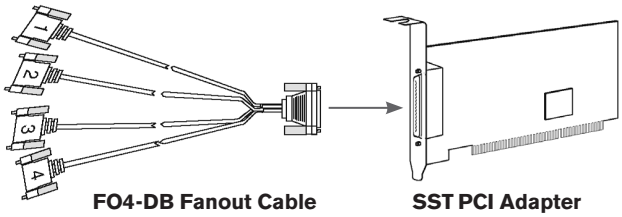
Quick Installation Guide

SST PCI Adapters

SST-4P and SST-8P Multiport Serial PCI Adapters

The following will help you to install SST PCI adapters and fanout cables. Should you require further assistance, please contact Avocent Technical Support.

To install SST PCI adapters and fanout cables



FO4-DB Fanout Cable **SST PCI Adapter**

Overview

SST-4P and SST-8P PCI adapters are intelligent, high-speed (up to 920k bps on each port) PCI expansion boards, which provide high performance serial I/O solutions for a PCI bus host computer. All port interfaces are standard RS-232, with full modem control and voltage surge protection on every pin.

SST PCI adapters appear to the system host processor as memory. That is, they are memory mapped devices. Each adapter is automatically mapped into system memory at the time of device driver installation.

SST adapters occupy a PCI slot in the host computer and provide the intelligent functions to "off-load" the CPU from serial communications processing tasks.

1 Hardware Installation

Use the following procedure to install your SST PCI adapter. As an alternative, you may follow the installation instructions presented in your host computer documentation.

a) Set the host computer system power switch to OFF.

b) Locate a free PCI expansion slot.

c) Insert and secure the adapter firmly into the expansion slot.

d) Replace the power cord and turn the host computer ON.

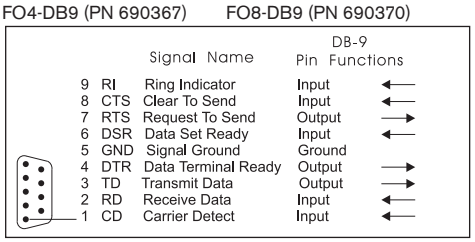
2 Software Installation

Refer to the appropriate software documentation, located on your SuperSerial CD-ROM, for detailed device driver information.

3 SST Fanout Cables

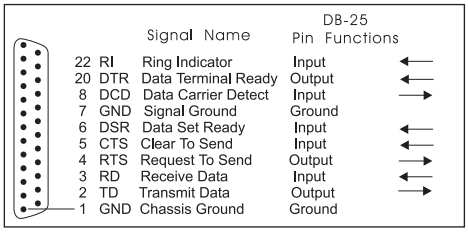
SST-4 and SST-8 PCI adapters require a fanout cable (ordered separately). SST Fanout Cables (FOCs) provide four or eight RS-232 interfaces. The following diagrams illustrate pinouts and signals for DB-9, DB-25 and RJ-45 fanout cables.

FO4-DB9 (PN 690367) FO8-DB9 (PN 690370)



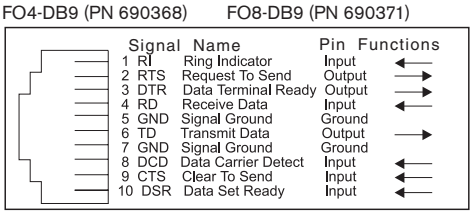
DB-9 Pin	Signal	Name	Functions
9	RI	Ring Indicator	Input ←
8	CTS	Clear To Send	Input ←
7	RTS	Request To Send	Output →
6	DSR	Data Set Ready	Input ←
5	GND	Signal Ground	Ground
4	DTR	Data Terminal Ready	Output →
3	TD	Transmit Data	Output →
2	RD	Receive Data	Input ←
1	CD	Carrier Detect	Input ←

FO4-DB25 (PN 690369) FO8-DB25 (PN 690372)



DB-25 Pin	Signal	Name	Functions
22	RI	Ring Indicator	Input ←
20	DTR	Data Terminal Ready	Output ←
8	DCD	Data Carrier Detect	Input →
7	GND	Signal Ground	Ground
6	DSR	Data Set Ready	Input ←
5	CTS	Clear To Send	Input ←
4	RTS	Request To Send	Output →
3	RD	Receive Data	Input ←
2	TD	Transmit Data	Output →
1	GND	Chassis Ground	Ground

FO4-DB9 (PN 690368) FO8-DB9 (PN 690371)



Signal	Name	Pin Functions
1 RI	Ring Indicator	Input ←
2 RTS	Request To Send	Output →
3 DTR	Data Terminal Ready	Output →
4 RD	Receive Data	Input ←
5 GND	Signal Ground	Ground
6 TD	Transmit Data	Output →
7 GND	Signal Ground	Ground
8 DCD	Data Carrier Detect	Input ←
9 CTS	Clear To Send	Input ←
10 DSR	Data Set Ready	Input ←

To Contact Avocent Technical Support: CALL (888) 793-8763 USA or 353-61-715292 Shannon, IR VISIT www.avocent.com

590-650-501A

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4 RJ-45 Modular Cabling

The following modular adapters are available from Avocent to convert RJ-45 modular jacks to DB-25 or DB-9 connectors.

Part number	Connector
210070	DB-25 DCE Male
210071	DB-25 DCE Female
210068	DB-25 DTE Male
210069	DB-25 DTE Female
210072	DB-9 Female

The modular adapters listed above, when used with 10-wire modular reversing cables as shown below, may be used to attach devices to SST RJ-45 FOC ports. If a customer-supplied modular cable is used, make sure the cable is reversing.

Part number	Description
690252	10' 10-wire
690253	25' 10-wire
690254	75' 10-wire

Agency Notifications

USA Notification

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Canadian Notification

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la classe A prescrites dans le Règlement sur le brouillage radioélectrique édicté par le Ministère des Communications du Canada.

Rack Mount Safety

- Elevated Ambient Temperature: If installed in a closed rack assembly, the operation temperature of the rack environment may be greater than room ambient. Use care not to exceed the rated maximum ambient temperature of the unit.
- Reduced Airflow: Installation of the equipment in a rack should be such that the amount of airflow required for safe operation of the equipment is not compromised.
- Mechanical Loading: Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.
- Circuit Overloading: Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of circuits might have on overcurrent protection and supply wiring. Consider equipment nameplate ratings for maximum current.
- Reliable Earthing: Reliable earthing of rack mounted equipment should be maintained. Pay particular attention to supply connections other than direct connections to the branch circuit (for example, use of power strips).

590-650-501A