Cables and Connectors

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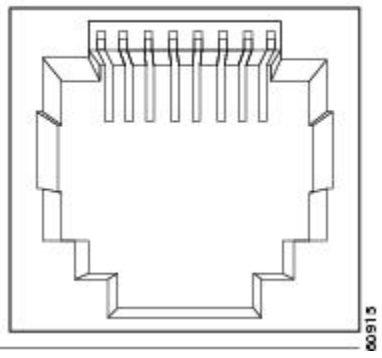
Connector Specifications

10/100/1000/2500 Ports

The 10/100/1000 Ethernet ports on the switches use RJ-45 connectors.

Figure 1: 10/100/1000 Port Pinouts

Pin	Label
1	TP0+
2	TP0-
3	TP1+
4	TP2+
5	TP2-
6	TP1-
7	TP3+
8	TP3-

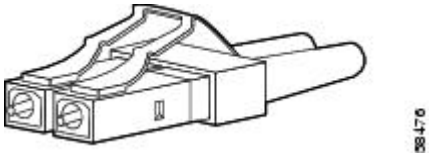


Note Connector pins 1, 2, 3, and 6 are used for PoE.

SFP Module Connectors

The illustration below shows an LC style connector that is used with the SFP Module slots. It is a fiber-optic cable connector.

Figure 2: Fiber-Optic SFP Module LC Connector



Warning Invisible laser radiation may be emitted from disconnected fibers or connectors. Do not stare into beams or view directly with optical instruments. Statement 1051

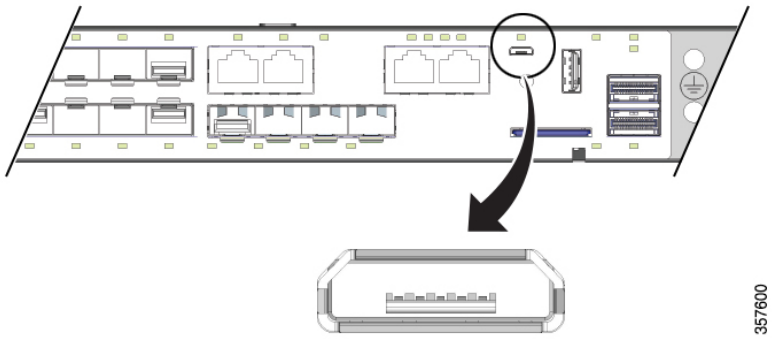
Avertissement :

Les fibres ou les connecteurs déconnectés peuvent émettre des rayonnements laser invisibles. Ne fixez pas les rayons ou ne les regardez pas directement avec des instruments optiques. Énoncé 1051

Console Port

The switch has two console ports: a USB micro-Type B port and an RJ-45 console port, both on the front panel.

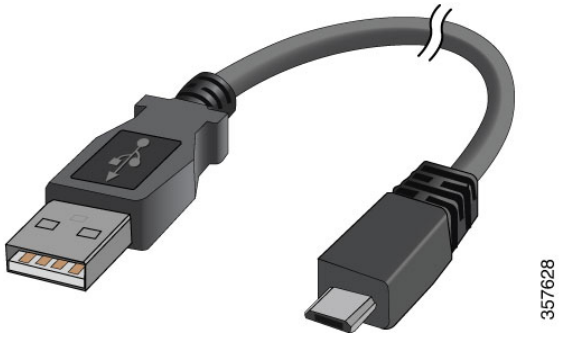
Figure 3: USB Micro-Type B Port



The USB console port uses a USB Type B to 5-pin mini-Type B cable, shown in the following illustration. The USB micro Type A-to-USB mini-Type B cable is not supplied.

Note When running Linux, access the USB Console using **Minicom** instead of **Screen**.

Figure 4: USB Micro Type B-to-USB 5-Pin Micro-Type B Cable

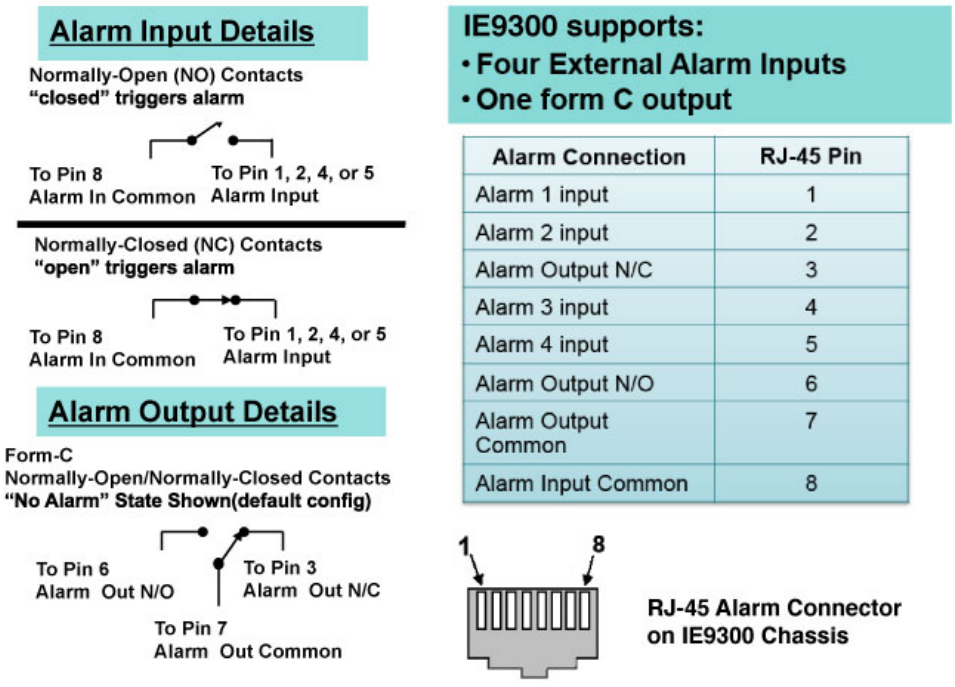


The RJ-45 console port uses an 8-pin RJ-45 connector. The supplied RJ-45-to-DB-9 adapter cable is used to connect the console port of the switch to a console PC. You must provide a RJ-45-to-DB-25 female DTE adapter if you want to connect the switch console port to a terminal. You can order a kit (part number ACS-DSBUASYN=) containing that adapter.

Alarm Port

The alarm port uses an RJ-45 connector.

Figure 5: Alarm Port Details



See the sections Alarms and Alarm Ratings for more information.

Cables and Adapters

SFP Module Cables

Each port must match the wave-length specifications on each end of the cable, and for reliable communications, the cable must not exceed the allowable length

For more information about SFP/SFP+ modules and cables, see Transceiver Modules on Cisco.com.

Console Port Adapter Pinouts

The console port uses an 8-pin RJ-45 connector. If you did not order a console cable, you must provide an RJ-45-to-DB-9 adapter cable to connect the switch console port to a PC console port. You must provide an RJ-45-to-DB-25 female DTE adapter if you want to connect the switch console port to a terminal. You can order an adapter (part number ACS-DSBUASYN=).

The following table lists the pinouts for the console port, the RJ-45-to-DB-9 adapter cable, and the console device.

Table 1: Console Port Adapter Pinouts (RJ-45-to-DB-9)

Switch Console Port (DTE) Signal	RJ-45-to- DB-9 Terminal Adapter DB-9 Pin	Console Device Signal
RTS	8	CTS
DTR	6	DSR
TxD	2	RxD
GND	5	GND
RxD	3	TxD
DSR	4	DTR
CTS	7	RTS

Note The RJ-45-to-DB-25 female DTE adapter is not supplied with the switch. You can order this adapter from Cisco (part number ACS-DSBUASYN=).

The following table lists the pinouts.

Table 2: Console Port Adapter Pinouts (RJ-45-to-DB-25)

Switch Console Port (DTE) Signal	RJ-45-to-DB-25 Adapter DB-25 Pin	Console Device Signal
RTS	5	CTS
DTR	3	DSR
TxD	6	RxD
GND	7	GND
RxD	2	TxD
DSR	20	DTR
CTS	4	RTS