



DMC100/1000 Security Information

The Allied Telesis DMC Series of Gigabit and Fast Ethernet Fiber media converters were designed with security in mind. Federal agencies are sensitive to data paths from a computer to an external device; and because of this, the DMC Series of media converters maintains no such paths, even though the USB cable is attached. This cable is exclusively used for powering the DMC Series media converters.

The table and figure below show how this is accomplished.

Figure 1 is the Micro B USB pin assignment for the Micro B specification. Pins 1 and 2 are used for power, and ground and pins 2, 3, and 4 are for data.

Figure 2 is an excerpt from the DMC Series schematic and, as shown, USB pins 2, 3 and 4 are no connects, pin 1 is connected to +5 volts and pin 5 is connected to ground from the PC or optional power adapter.

As shown, no data lines are attached and the USB port is only used for DMC power, so no external power supply is required.

Figure 1

Contact Number	Signal Name	Typical Wiring Assignment
1	VBUS	Red
2	D-	White
3	D+	Green
4	ID	<Ra_PLUG_ID
5	GND	Black
Shell	Shield	Drain Wire

Figure 2

