

## BC-067

### IP-Octal -> RJ45 (RS-232 Interface) Connections

- The BC-067 board is a single-width VME module designed to provide connections to the IP-Octal Industry Pack board
- It has 8 RJ45 (CAT5 ethernet style) connectors to access the ports
- These ports are wired to the EIA/TIA 561 standard (see below)
- LED's indicate Tx and Rx activity for each port
- Typically, most devices will only need to connect Tx, Rx, and GND, which can be wired according to the "XM-Octal" column below. In other words, if the device to be connected has a DB9 connector, a DB9 to RJ45 adapter can be used and pinned according to the "XM-Octal" column
- Connect CTS/RTS *if needed*
- The BC-067 has toggle switches for swapping Tx/Rx and RTS/CTS
- A standard ethernet CAT5 cable can be used to connect the port

<u>EIA/TIA 561</u>	<u>DB9 -&gt; RJ45 AdapterColor</u>	<u>XM-Octal</u>
1 RI	BLU	
2 DCD	ORN	
3 DTR	BLK	
4 GND	RED	5
5 Rx	GRN	2
6 Tx	YEL	3
7 CTS	BRN	8
8 RTS	GRY	7