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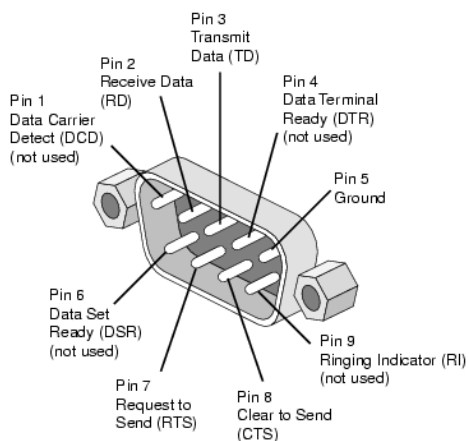
## SPECIFICATIONS

### COOLGEAR USB METAL INDUSTRIAL SERIAL ADAPTERS

SKU #	<a href="#">USB-COM-M</a>	<a href="#">USB-2COM-M</a>	<a href="#">USB2-4COM-M</a>	<a href="#">USB2-8COM-M</a>	<a href="#">USB-16COM-RM</a>	<a href="#">USB-32COM-RM</a>
<b>Chipset</b>						
<a href="#">FTDI</a>	FT232BL	FT232DL	FT4232H			
<b>USB (Universal Serial Bus)</b>						
Compliance	USB 1.0 / 1.1 compliant, USB 2.0 compatible					
Speed	12 Mbps, full-speed USB		480 Mbps, Hi-Speed USB 2.0			
FIFO	128 byte transmit FIFO / 384 receive FIFO					
<b>Serial Interface</b>						
Port Type	RS-232					
Number of Ports	1	2	4	8	16	32
Connectors	DB9 male					RJ-45
<b>Serial Line Protection</b>						
ESD Protection	10KV					
<b>Serial Port Transfer Rate</b>						
Baud Rate	300 bps up to 921.6k bps (user configurable)					
<b>Serial Communication Parameters</b>						
Data Bits	5, 6, 7, 8					
Stop Bits	1, 1.5, 2					
Parity	None, Even, Odd, Space, Mark					
Flow Control	RTS/CTS, XON/XOFF					
<b>Serial Signals Supported</b>						
RS-232	TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND, RI					
<b>Operating Systems Supported</b>						
OS	Windows 8, 7, Vista, 2003, XP (WHQL certified) and 2000, 32 and 64 bit versions, Linux Kernel 2.4 and up					
<b>Power Requirements</b>						
Input	Bus-powered No external power adapter required			Self-powered Power Adapter 12VDC, 1A	Self-Powered Built in AC to DC Switching Power supply 100VAC to 240VAC	
Output	*USB-2COM-M Only supports this function: 5V, 150mA through Pin-1 & 2 of Terminal Block					
<b>Mechanical &amp; Dimensional</b>						
Housing	SECC metal chassis with DIN rail bracket				*Rack Mounting Brackets	
Dimensions	82mm x 76mm x 23mm (with DIN rail bracket)	189mm x 102mm x 29mm (with DIN rail bracket)	133mm x 130mm x 22mm (with DIN rail bracket)	451 mm x 152 mm x 44 mm (with DIN rail bracket)		
Operating Temperature	0 to 55 °C (32 to 131 °F)					
Operating Humidity	5 to 95% RH					
Storage Temperature	-20 to 75 °C (-4 to 167 °F)					
Safety Approvals	EN55022 Class B, EN55024, EN61000-3-2, EN61000-3, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11. CISPR PUB. 22 and FCC Part 15 Class B.					

**RS-232 DB9 Male Connector Pin-outs**

**RS-232 Signal Pin-outs of DB-9 Male**

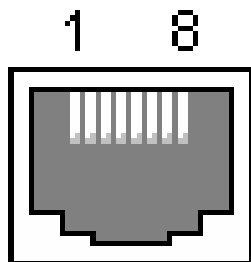


Pin	Signal
1	DCD
2	RxD
3	TxD
4	DTR
5	GND
6	DSR
7	RTS
8	CTS
9	RI

**\*RJ-45 Connector Pin out**

**RS-232 Signal Pin-outs of RJ-45**

**\*USB-32com-RM (only) Pin 9 RI not used**



Pin	Signal
1	RTS
2	DTR
3	GND
4	TxD
5	RxD
6	DCD
7	DSR
8	CTS