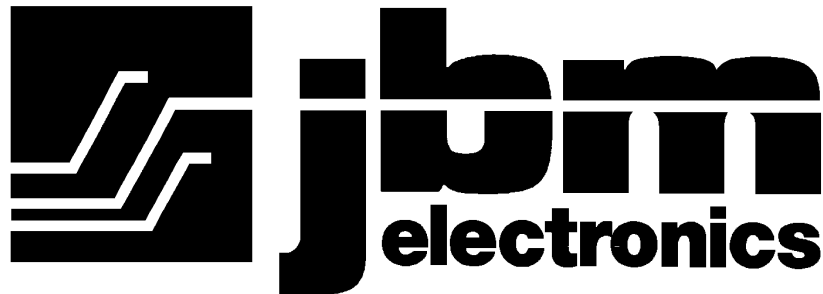


Cables

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C3000 Series



File Name: cable_C3000.doc
Revision Date: March 27, 2006
Revision Level: 1.0

FCC Notice

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

The Gateways are listed by a Nationally Recognized Testing Laboratory.

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NOTICE:

Specifications described in this manual are
subject to change without notice.

Gateway 40 - 940 Cables
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For further information, contact:

JBM Electronics Co.
4645 LaGuardia
St. Louis, MO 63134

Phone: (314) 426-7781
Fax: (314) 426-0007

Internet: <http://www.jbmelectronics.com>

C3000 – C3885

Port	Cable Description	Cable Order Number	Table
Serial			
DE-9M RS232 DTE async <i>(Comport)</i>	9F to 9M Straight <i>(DTE)</i> 6'	C/9SFM-6'	Pg. 3
	9F to 9M <i>(DCE)</i> 6'	C/9SF-9M-DCE-6'	Pg. 4
	9F to 25M <i>(DCE)</i> 6'	C/9SF-25M-DCE-6'	Pg. 5
DE-9F LMI DCE async <i>(Console)</i>	9M to 9F Straight <i>(DCE)</i> 6'	C/9SMF6'	Pg. 6
LAN			
RJ-45 Ethernet <i>Eth0 straight Eth1 crossed</i>	RJ-45 Straight	N/A	Pg. 6
	RJ-45 Crossed	N/A	Pg. 7
RJ-45 Crossed Ethernet/s <i>Eth0 straight Eth1 crossed</i>	RJ-45 Straight	N/A	Pg. 6
	RJ-45 Crossed	N/A	Pg. 7
Modem			
RJ-11 async	RJ-11 Straight	N/A	Pg. 7
RJ-11 Dial-Tone async	RJ-11 Straight	N/A	Pg. 7

9F to 9M Straight (DTE)

This table lists the RS-232 pins used in the Gateway 9-Pin Comm. Port. The pins should be connected from one connector to the other without transpositions or other wiring changes.

9-Pin Male DTE RS-232 Port			
PIN	INBOUND	OUTBOUND	DESCRIPTION
1	*		Data Carrier Detect
2	*		Receive Data
3		*	Transmit Data
4		*	Data Terminal Ready
5			Signal Ground
6	*		Data Set Ready
7		*	Request To Send
8	*		Clear To Send
9	*		Ring Indicator
Connects to an asynchronous device such as a modem			

Units Supported

- C3100
- C3105
- C3140
- C3145
- C3180
- C3185
- C3200
- C3205
- C3240
- C3245
- C3280
- C3285
- C3400
- C3405
- C3440
- C3445
- C3480
- C3485

JBM Electronics Part Number: **C/9SFM-6'**

9F to 9M (DCE)

This table lists the required RS-232 wiring required to provide a DCE interface for a Gateway 9-Pin Comm. Port. The pins should be connected from one connector to the other using the transpositions indicated.

9-Pin Female to 9-Pin Male		
9 Female Pin	DIRECTION	9 Male Pin
1 tied to 6	←	4
2	←	3
3	→	2
4	→	6 tied to 8
5	GND	5
-	-	-
7	→	1
8	←	7
-	-	-
<i>Convert to DCE Comm. Port</i>		

Units Supported

- C3100
- C3105
- C3140
- C3145
- C3180
- C3185
- C3200
- C3205
- C3240
- C3245
- C3280
- C3285
- C3400
- C3405
- C3440
- C3445
- C3480
- C3485

JBM Electronics Part Number: **C/9SF-9M-DCE-6'**

9F to 25M (DCE)

This table lists the required RS-232 wiring required to provide a DCE interface for a Gateway 9-Pin Comm. Port. The pins should be connected from one connector to the other using the transpositions indicated.

9-PIN FEMALE TO 25-PIN MALE		
9 FEMALE PIN	DIRECTION	25 FEMALE PIN
1 tied to 6	←	20
2	←	2
3	→	3
4	→	5 tied to 6
5	GND	7
-	-	-
7	→	8
8	←	4
-	-	-

Units Supported

- C3100
- C3105
- C3140
- C3145
- C3180
- C3185
- C3200
- C3205
- C3240
- C3245
- C3280
- C3285
- C3400
- C3405
- C3440
- C3445
- C3480
- C3485

JBM Electronics Part Number: **C/9SF-25M-DCE-6'**

9M to 9F Straight (DCE)

This table lists the RS-232 pins used in the Gateway Console Port. The pins should be connected from one connector to the other without transpositions or other wiring changes.

9-PIN FEMALE DCE CONSOLE (LMI) PORT			
PIN	INBOUND	OUTBOUND	DESCRIPTION
1		*	Data Carrier Detect
2		*	Receive Data
3	*		Transmit Data
4	*		Data Terminal Ready
5			Signal Ground
6		*	Data Set Ready
7	*		Request To Send
8		*	Clear To Send
9		*	Ring Indicator
Console connection to PC (Back)			

Units Supported

- C3000 – C3885

JBM Electronics Part Number: C/9SMF6'

RJ-45 Straight

This table lists the Ethernet pins used in the Ethernet Port ETH0. For a straight-wired connection the pins should be connected from one connector to the other without transpositions or other wiring changes.

TABLE C STRAIGHT 10/100BASET	
PIN	DESCRIPTION
1	TD+
2	TD-
3	RD+
4	-
5	-
6	RD-
7	-
8	-
Used for HUB or Switch	

Units Supported

- C3000 – C3885

JBM Electronics Part Number: N/A

RJ-45 Crossed

This table lists the required Crossed-Wired Ethernet wiring required to provide cable connection to the Gateway and a local PC. The pins should be connected from one connector to the other using the transpositions indicated.

TABLE D. CROSSED 10/00BASET	
CONNECTOR A	CONNECTOR B
1	3
2	6
3	1
-	-
-	-
6	2
-	-
-	-
Used for direct PC connection	

Units Supported

- C3000 – C3885

JBM Electronics Part Number: N/A

RJ-11 Straight

This table lists the required pins used in the Modem cable used to connect the Gateways to the analog devices or network. The pins should be connected from one RJ-11 connector to the other without transpositions or other wiring changes.

RJ-11 MODEM CABLE	
PIN	DESCRIPTION
1	Unused
2	Tip
4	Ring
5	Unused
Used for async modem connection	

Units Supported

- C3005 – C3285
- C3405
- C3445 – C3885

JBM Electronics Part Number: N/A