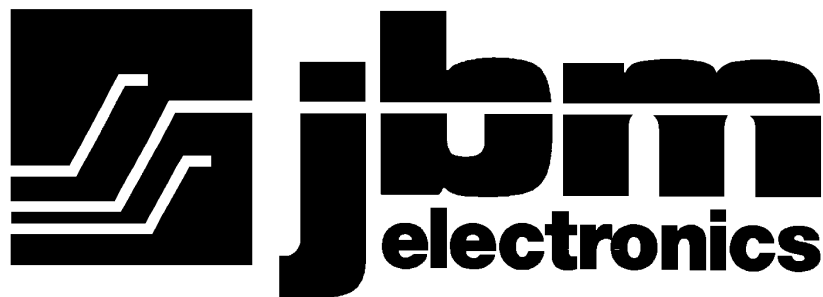


Cables

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C200 through C254



File Name: cable_c200_c254.doc
Revision Date: January 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.

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NOTICE:

Specifications described in this manual are
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Gateway 40 - 940 Cables
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C200 – C254

Port	Cable Description	Cable Order Number	Table
Serial			
DB-25F RS232C DCE sync (HPC)	25M to 25F Straight (DCE) 25'	C/25SMF-25'	Pg. 3
	25M to 25F Straight (DCE) 6'	C/25SMF-6'	Pg. 3
	25M to 25M Straight (DCE) 25'	C/25SMM-25'	Pg. 3
	25M to 25M Straight (DCE) 6'	C/25SMM-6'	Pg. 3
	25M to 25F DTE Adapter	G50 Adapter	Pg. 4
DE-9M RS232 DTE async (Comport) C200-C204	9F to 9M Straight (DTE) 6'	C/9SFM-6'	Pg. 5
	9F to 9M (DCE) 6'	C/9SF-9M-DCE-6'	Pg. 5
	9F to 25M (DCE) 6'	C/9SF-25M-DCE-6'	Pg. 6
DB-25F RS232 DCE async (Comport) C250-C254	25M to 9M/F Straight	N/A	Pg. 6
	25M to 25F DTE Adapter	G50 Adapter	Pg. 7
DE-9F LMI DCE async (Console)	9M to 9F Straight (DCE) 6'	C/9SMF6'	Pg. 8
LAN			
RJ-45 Ethernet	RJ-45 Straight	N/A	Pg. 8
	RJ-45 Crossed	N/A	Pg. 9
Cell Modem			
SMA Jack (GSM and CDMA)	SMA Plug	GSMQB1029900	N/A
Modem			
RJ-11 async	RJ-11 Straight	N/A	Pg. 9
RJ-11 Dial-Tone async	RJ-11 Straight	N/A	Pg. 9

25F to 25M/F Straight (DCE)

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

25-PIN RS-232C DCE PORT			
PIN	INBOUND	OUTBOUND	DESCRIPTION
1			Frame Ground
2	*		Transmit Data
3		*	Receive Data
4	*		Request to Send
5		*	Clear to Send
6		*	Data Set Ready
7			Signal Ground
8		*	Data Carrier Detect
15		*	Transmit Clock
17		*	Receive Clock
20	*		Data Terminal Ready
Multi-Protocol Port (HPC)			

Units Supported

- C202
- C252

JBM Electronics Part Numbers:

25M to 25F Straight 25': **C/25SMF-25'**
 25M to 25F Straight 6': **C/25SMF-6'**
 25M to 25M Straight 25': **C/25SMM-25'**
 25M to 25M Straight 6': **C/25SMM-6'**

25M to 25F DTE Adapter

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

GW50 ADAPTER DTE		
25 MALE PIN	DIRECTION	25 FEMALE PIN
1	Ground	1
2	←	3
3	→	2
4	←	8
5	→	20
7	Ground	7
8	→	4
9	Not applicable	9
10	Not applicable	10
12	Not applicable	12
13	Not applicable	13
18	←	6
19	Not applicable	19
20	←	5
21	Not applicable	21
22	←	15
23	←	17
24	Not applicable	24
25	Not applicable	25
Convert to DTE Multi-Protocol Port		

Units Supported

- C202
- C252

JBM Electronics Part Number: **G50 Adapter**

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

- C200 – C204

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 P in	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

- C200 – C204

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

- C200 – C204

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

25M to 9M/F (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 to 25 Pin DTE		
25 MALE PIN	DIRECTION	9 FE/MALE PIN
1	Not applicable	
2	←	2
3	→	3
4	←	1
5	→	4
6	Not applicable	
7	Ground	5
8	→	7
9	Not applicable	
10	Not applicable	
12	Not applicable	
13	Not applicable	
18	Not applicable	
19	Not applicable	
20	Not applicable	
21	Not applicable	
22	Not applicable	
23	Not applicable	
24	Not applicable	
25	Not applicable	
Convert to DTE Multi-Protocol Port		

Units Supported

- C250
- C251
- C254

JBM Electronics Part Number: **N/A**

25M to 25F DTE Adapter

This table lists the required RS-232 wiring required to provide a DTE interface for a Gateway 25-Pin Comm. Port. The pins should be connected from one connector to the other using the transpositions indicated.

TABLE C GW50 ADAPTER DTE		
MALE PIN	DIRECTION	FEMALE PIN
1	Ground	1
2	←	3
3	→	2
4	←	8
5	→	20
7	Ground	7
8	→	4
9	Not applicable	9
10	Not applicable	10
12	Not applicable	12
13	Not applicable	13
18	Not applicable	6
19	Not applicable	19
20	←	5
21	Not applicable	21
* 22	Not applicable	15
23	Not applicable	17
24	Not applicable	24
25	Not applicable	25
For async DTE		

Units Supported

- C250
- C251
- C254

JBM Electronics Part Number: **G50 Adapter**

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

- C200 – C254

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

- C200 – C254

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

- C200 – C254

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 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

- C201
- C204
- C251
- C254

JBM Electronics Part Number: N/A