



Hotwire™ Management Communications Controller (MCC) Card Installation Instructions

Document Number 8000-A2-GN11-40

January 1999

What is a Hotwire™ MCC Card?

A Hotwire Management Communications Controller (MCC) card is a processor circuit card assembly (CCA) that administers and provides diagnostic connectivity to all of the Digital Subscriber Line (DSL) cards in a Hotwire 8600, 8800, or 8810 DSL Access Multiplexer (DSLAM) chassis.

The MCC card acts as a mid-level manager and works in conjunction with a Simple Network Management Protocol (SNMP) network management system (NMS), such as Paradyne's OpenLane™ DCE Manager, via its Local Area Network (LAN) port. The MCC card gathers operational status for each of the DSL cards and Hotwire Remote Termination Units (RTUs) and responds to the SNMP requests (via Proxy ARP). It also supports a serial port for local or remote terminal access.

Product Documentation on the World Wide Web

We provide complete product documentation online. This lets you search the documentation for specific topics and print only what you need, reducing the waste of surplus printing. It also helps us maintain competitive prices for our products.

Complete documentation for this product is available at **www.paradyne.com**.
Select *Service & Support* → *Technical Manuals* → *Hotwire DSL & MVL Systems*.

Select the following documents:

8000-A2-GB20

Hotwire DSLAM for 8540 and 8546 DSL Cards User's Guide

8000-A2-GB21

Hotwire DSLAM for 8540 and 8546 DSL Cards Network Configuration Guide

8000-A2-GB29

Hotwire Management Communications Controller (MCC) Card User's Guide

Contact your sales or service representative to order a paper copy of a Paradyne document:

- Within the U.S.A., call 1-800-PARADYNE (1-800-727-2396)
- Outside the U.S.A., call 1-727-530-8623

To order a documentation bundle which includes the above three manuals for use with the 8540 and 8546 RADSL cards, request Feature Number 8500-M1-500.

MCC Card Installation Planning

- Each Hotwire DSLAM is shipped with one of the following installation guides:

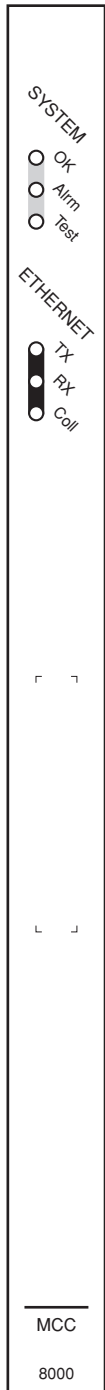
Document Number	Document Title
8600-A2-GN20	<i>Hotwire 8600 Digital Subscriber Line Access Multiplexer (DSLAM) Installation Guide</i>
8800-A2-GN21	<i>Hotwire 8800 Digital Subscriber Line Access Multiplexer (DSLAM) Installation Guide</i>
8810-A2-GN20	<i>Hotwire 8810 Digital Subscriber Line Access Multiplexer (DSLAM) Installation Guide</i>

- Refer to one of the DSLAM installation guides to:
 - Install and set up the Hotwire DSLAM
 - Install the Hotwire MCC Card
 - Connect cables
- After the MCC card is installed, there are configuration procedures that must be performed before you can begin to use the MCC card. Refer to the *Hotwire Management Communications Controller (MCC) Card User's Guide* for more information.

MCC Card Technical Specifications

Specifications	Criteria*
Size	Length: 10.4 inches (26.42 cm) Height: 11.15 inches (28.32 cm) Width: 0.8 inches (2.03 cm)
Weight	Approximately 1 lb. (.45 kg)
Approvals	
Safety Certifications	Refer to the equipment's label for approvals on product.
Power	The MCC card contains a DC-to-DC converter that requires -48V power input. The -48V power is distributed through the Hotwire DSLAM backplane. Maximum Power Dissipation = approx. 8 watts
Physical Environment	
Operating temperature	32° to 122° F (0° to 50° C)
Storage temperature	-4° F to 158° F (-20° C to 70° C)
Relative humidity	5% to 85% (noncondensing)
Shock and vibration	Withstands normal shipping and handling.
* Criteria of technical specifications are subject to change without notice.	

MCC Card LEDs



The following table describes the meaning and states of the LEDs on the MCC card faceplate.

Type	LED	LED is . . .	Indicating . . .
SYSTEM	OK	Green, Winking*	Normal operation; card functioning normally.
		On	MCC card failure. System processing functions have stopped.
		Off	No power to card.
SYSTEM	Alarm	Amber	Alarm present on MCC.
		Off	Normal operation; no alarms.
SYSTEM	Test	Amber	Test in progress.
SYSTEM	Test	Off	Normal operation; no tests.
ETHERNET	TX	Green, Blinking	Data is being transmitted from the MCC.
		Off	Inactive.
	RX	Green, Blinking	Data is being received.
ETHERNET	RX	Off	Inactive.
ETHERNET	Coll	Amber, Blinking	A collision has been detected.
		Off	Normal operation.
* Winking describes a recurring pulse when the LED is ON longer than OFF, at approximately a 10:1 ratio.			

Warranty, Sales, and Service Information

Contact your local sales representative, service representative, or distributor directly for any help needed. For additional information concerning warranty, sales, service, repair, installation, documentation, training, distributor locations, or Paradyne worldwide office locations, use one of the following methods:

- **Via the Internet:** Visit the Paradyne World Wide Web site at <http://www.paradyne.com>
- **Via Telephone:** Call our automated call system to receive current information via fax or to speak with a company representative.
 - Within the U.S.A., call 1-800-870-2221
 - Outside the U.S.A., call 1-727-530-2340

Document Feedback

We welcome your comments and suggestions about this document. Please mail them to Technical Publications, Paradyne Corporation, 8545 126th Ave. N., Largo, FL 33773, or send e-mail to userdoc@eng.paradyne.com. Include the number and title of this document in your correspondence. Please include your name and phone number if you are willing to provide additional clarification.



8000-A2-GN11-40