OCU-DP Cards

Features

- **5 port and 10 port versions available**

- **Supports data circuits up to 64Kbps**

- **Supports CSU/DSU up to four miles away**

- **Supports switched 56Kbps circuits**

- **Allows provisioning of DDS services**

- **Allows consolidation of DSU traffic as DS0-A or DS0-B**

The OCU-DP (Office Channel Unit - Data Port) is used to interface directly to Data Service Units (DSUs)/Channels Service Units (CSUs) supporting data traffic up to and including 64Kbps. A four-wire circuit can connect the OCU-DP card to a DSU/CSU that can be located up to four miles away. In switched 56 Kbps mode, users can access the network on an as-needed basis by dial-up commands. The system unit must be equipped to provide -48 VDC power to fully support the functionality of the OCU-DP card.

Each OCU-DP port can be independently programmed to operate at 2.4, 4.8, 9.6, 19.2, 56 and 64 Kbps in either DS0-A, (one channel per DS0) or DS0-B format, which allows multiple data ports from multiple OCU-DP cards in the system to be mapped into the same DS0 time slot. If the DS0-B format is selected, the user then specifies the type of DS0-B format required (b-5, b-10 or b-20) and the subrate position that the data port occupies within the DS0-B frame.

In switched-56K mode, an OCU-DP port provides a connection for an external Switched-56K DSU/CSU that will perform all call set-up and dialing functions. The OCU-DP card converts the call set-up commands into standard signaling and sends the signaling over the WAN facility.

All OCU-DP cards support a low speed secondary channel that is established in the 8th bit position of the DS0 time slot to which the OCU-DP port is assigned. The secondary channel can be used for testing and maintenance of the main circuit or for the transmission of other, independent, low speed data.

OCU-DP Cards

Card	Number of ports	PRM-824160 5 ports PRM-824660 10 ports
Specification	Physical interface	Female 8-pin RJ-48
	Data format	Synchronous-binary, serial
	Data encoding	B8ZS, AMI
	Line interface	4-Wire
	Speeds	2.4, 4.8, 9.6, 19.2, 56, 64 and sw56 Kbps
	Sub-rate framing format	DS0-A, DS0-B with 5, 10 or 20 divisions per DS0
	Error correction	Majority vote for speeds 2.4, 4.8 and 9.6 Kbps
	Secondary channel	As described in AT&T 62310, 62411 Addendum (pass through only) and TA TSY 000077 and TA TSY 000083, a separate lower speed data circuit which may be used for testing and maintenance. Modes are on or off.

Secondary speeds supported are:

Primary port rate	Secondary port rate
56 Kbps	2,666 bps
19.2 Kbps	1,066 bps
9.6 Kbps	533 bps
4.8 Kbps	266 bps
2.4 Kbps	133 bps

	Operation modes	OCU or CSU (software selectable per line)
	Loopbacks	Off, DTE, Net-a, Net-d (software selectable) (Net-a loops 4 wire interface to the network, Net-d loops the network at card interface to system bus).
	Loopback generation (latching)	Various loopbacks sent in-band to remote equipment: Off, DS0-n (loops the analog interface of the remote for 56K or less rate), CSU-N (loops the 4-wire interface of the remote), CSU-N (l00ps the 4-wire interface of local device). CSU-N and CSU-N again?
	Loopback detection	Off, On, On with 10 minute time-out (latching and non-latching)

Standards Compliance	AT&T 62411, Telcordia TA-TSY-000077, TA-TSA-000083, Pub 62310, ANSI T1.107-1988

Product Numbers	824160 - 5 port, stainless steel faceplate 824660 - 10 port, stainless steel faceplate

Physical Specification	Card height	8 inches (20 cm)	
	Card width	15/16 inches (2.35cm)	
	Card depth	71/2 inches (18.75cm)	
		Model 824160	Model 824660
	Power consumption	10 Watts	19.8 Watts
	BTU/hr	30.65	62.17
	Operating temperature	0 to 50C, 32 to 122 F	
	Storage temperature	-20 to 80 C, -4 to 176 F	
	Humidity	0 to 95% humidity, non-condensing	

IMACS Platform	IMACS chassis	891630 IMACS 600, 891830 MACS 800, or 891930 IMACS 900
	Control CPU card	880460 bus-connect or 880370 cross-connect CPU
	System Host Code	3.6 & 6.0 or later
	Interface Card	
	Release 3.6.y	892060 & 892560
	Release 6.x.y	892260, 892360 & 892460.
	Power Supply Options	8901 AC or 890220 DC