

# Intraplex<sup>®</sup> CM-30

IP Network Card



## Converting your existing Intraplex T1 multiplexer to IP is as easy as plugging in a card.

IP data transport can offer bandwidth and reliability equivalent to T1/E1 circuits with lower recurring costs. The Intraplex CM-30 IP network card lets you retain the rock-solid reliability and outstanding quality of your current Intraplex T1 or E1 system, while migrating to lower-cost, high-performance IP networks such as MPLS.

Installation is quick and easy. Built-in intelligence allows you to field-convert your T1/E1 system in minutes. The CM-30 is compatible with the existing interface cards for audio, voice and data traffic in your Intraplex multiplexers, and works with SynchroCast3<sup>®</sup> simulcast systems for land mobile radio and FM transmission. For system expansion, Intraplex frames equipped with the CM-30 are fully interoperational with Intraplex NetXpress<sup>™</sup> and NetXpress LX IP multiplexers.

The CM-30 is an excellent choice for your IP upgrade because it pays for itself by reducing your network services expenses — while retaining the superior operation of the Intraplex system you trust.



Intraplex CM-30 IP network cards are fully compatible with current Intraplex multiplexers such as the STL HD<sup>™</sup>, AudioLink PLUS<sup>™</sup> and Access Server, and nearly all other installed Intraplex T1/E1 multiplexer frames.

## Specifications

Specifications are subject to change without notice.

### Network Interface

Ethernet Data Rate . . . . .	10/100Base-T (10 or 100 Mb/s) Full duplex auto-negotiation with network
Network Connections . . . . .	Port 1 — WAN — RJ-45 Port 2 — LAN — RJ-45
Circuit Connection. . . . .	Up to 32 streams/connections Point-to-point unidirectional Point-to-point bidirectional Point-to-multipoint unidirectional multicast per IGMP v2 Network Protocols Supported IP, TCP, UDP, RTP, DHCP, DNS, HTTP, FTP, Telnet, NTP, SNMP, v2c, RTCP, ARP, ICMP, IGMP v2
Timing . . . . .	Internal, external, RS-422 clock input Adaptive to incoming program stream Timing out, RS-422 clock output

### Stream Parameters (per stream)

Forward Error Correction . . . . .	High, low, off; user-adjustable
Packet Optimization . . . . .	Packet size/rate, allows control over the inherent tradeoff between overhead and delay Jitter buffer depth to 128 packets, provides compensation in excess of one second of network jitter User-adjustable
Quality of Service . . . . .	IPv4 Type of Service (ToS) tagging Differentiated Service (DiffServ)

## Ordering Information

IX-CM-30-PKG . . . . . Upgrade kit for Intraplex T1/E1 systems, containing two CM-30 cards and two MA-230 interface cards

### Notes:

The CM-30 can be used in place of — not at the same time as — the T1 or E1 common module (CM-3, CM-5, CM-5RB, CM-6, CM-7 or CM-7RB) card in an existing Intraplex T1/E1 multiplexer. However, a T1 or E1 multiplexer that has been converted for use on IP with the CM-30 can be converted back to T1 or E1 at a later date simply by removing the CM-30 and reinserting the T1/E1 card.

Contact your local representative to confirm that the CM-30 can work for you.

### Status and Diagnostics

Network Performance	
Statistics (per stream) . . . . .	Packet loss, packets received, packets sent, packets dropped, packet count and delay variation
Loopbacks . . . . .	Received stream loopback, equipment loopback

### Remote Management

Web browser user interface
SNMP network management interface

### Regulatory Compliance

CE compliant, FCC Part 15 Class A, UL 1950, RoHS compliant

Performance cannot be guaranteed unless the IP network used has sufficient designated bandwidth to support the traffic that was previously carried on the T1/E1 system.

For more information, please visit [www.intraplex.com](http://www.intraplex.com)

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