

3-Port Channelized DS3/1 ATM with IMA Input/Output (I/O) Module for the CBX 500® Multiservice Switch



The 3-Port Channelized DS3/1 with Inverse Multiplexing for ATM (IMA) Input/Output Module can be used to create a cost-effective, scalable service that provides interim ATM access speeds between DS1 (1.5 Mbps) and DS3 (45 Mbps). Because the module offers extremely high port density, you can use it to provision more customers and create more revenue opportunities without increasing your equipment footprint. You can also use the module in conjunction with certain IMA-capable Customer Location Equipment (CLE) to allow end-user access from non-ATM interfaces, such as Frame Relay, Ethernet, private line, and voice. This configuration eliminates the complexities of ATM access for your customers, while preserving your flexible and reliable ATM service management structure.

Applications

- Provide low-speed ATM services
- Offer flexible bandwidth solutions between DS1 and DS3 in 1.5 Mbps increments using IMA functionality
- Support higher density ATM services at standard DS1 and DS3 speeds
- Allow end user access from familiar, non-ATM interfaces

Features

- High port density—up to 1,176 DS1s per switch
- Up to 42 software-configurable IMA bundles per card can be created containing one to eight DS1 links
- ATM interfaces supported directly or non-ATM interfaces through IMA-capable CLE
- ATM Forum IMA v1.1 compliance
- Flow Control Processor ensures network fairness and QoS

Benefits

- Provision more customers to increase revenue opportunities without expanding your footprint
- Preserve your ATM service management structure while supporting non-ATM access services
- Help reduce operating costs and simplify network management with Lucent Navis® OSS Software

Technical Specifications

Description

Specifications

1. Protocol Features Supported

ATM:

ANSI T1.102
AT&T Publications 62415
ATM UNI 3.0, 3.1
ATM TM 4.1
32,000 buffers per port

2. Network Synchronization

External and internal Stratum 3

3. Operations, Administration and Maintenance

Diagnostic testing (DS1/DS3) – internal and external
Line loopback (DS1/DS3)
TX (framed and unframed) inband line loopback (DS1 only)
ESF FDL line loopback (ANSI, DS1 only)
Tx inband DS3 line loopback (FEAC)
Alarm monitoring



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Technical Specifications *(continued)*

Description	Specifications
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4. MXOS™ Multiservice Switch Operating Software	
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Carrier-class, innovative software for increased switch reliability and network scalability. IP/MPLS Feature pack available for advanced IP services delivery	
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5. Network Management	
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Managed by Lucent Navis® OSS Software	
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Performance monitoring through NavisXtend®	
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6. Physical Dimensions	
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<i>Size:</i>	16 in x 1 in x 11 in (40.6 cm x 2.54 cm x 27.94 cm)
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<i>Weight:</i>	5 lbs (2.3 kg)
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7. Power	
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<i>Wattage:</i>	105 watts
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8. Environmental	
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<i>Temperature range:</i>	32° – 122° F (0° – 50° C)
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9. Regulatory Compliance	
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<i>Telecom:</i>	FCC Part 15 Class A ITU standards
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<i>Environmental/NEBS™:</i>	GR-63-CORE GR-1089-CORE
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<i>Safety:</i>	UL® 1950 EN60950
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<i>EMC Emissions and Immunity:</i>	EN55022 Class A (CISPR)
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10. Interfaces	
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<i>Physical Interface:</i>	3 DS3 (44.736 Mbps), each channelized to 28 single 1.544 Mbps DS1 (T1) ATM ports
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Specifications are subject to change without notice. Contact your Lucent representative for information on availability and upgrades. Lucent reserves the right to change, modify, transfer or otherwise revise this publication without notice.

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