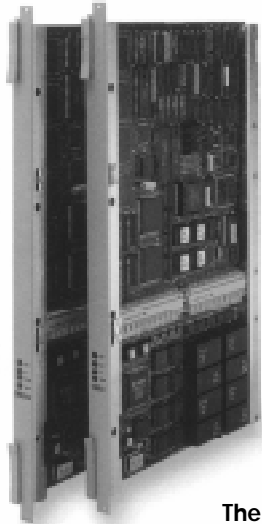


I/O Modules OBIU,
OBIU-U

ISDN Basic Rate
Interface 8-Port

Initia AccessSwitch

PLUG-IN MODULES FOR ACCESSSWITCH SLOTTED HUBS
PROVIDE NETWORK ACCESS OR PORT DISTRIBUTION



The Initia OBIU and OBIU-U plugin modules are part of a family of interface modules that provide input/output connections between the network and any other modules installed in the Initia AccessSwitch™ chassis.

In today's fast-paced world of global commerce, flawless communication is critical to success. The Initia, Inc. family of wide area networking solutions offers a comprehensive suite of products that help you evolve your network to global proportions—without sacrificing your existing investment.

The Initia Octal Basic Rate ISDN Interface Unit (OBIU) consists of a single eight-port module that can be inserted into either the Initia AccessSwitch 200 (20 slot) or the AccessSwitch 60 (six slot) chassis. The OBIU modules can be used in any combination to provide powerful call switching capabilities among T1, ISDN Basic or Primary Rate, or E1 Primary Rate trunking, and V.35/RS449 high-speed synchronous interfaces.

Each port of the OBIU interface module provides S or T network termination using four wire twisted pair connections over distances up to 3,000 feet. The OBIU-U modules provide network side LT termination of the U reference interface using two wire twisted pair connections over distances up to 18,000 feet.

FULL MULTIMEDIA CAPABILITY

Each OBIU module supports eight individual BRI interface connections. Each BRI interface supports two 64 kilobit per second B channels, and one 16 kilobit per second D channel, for an aggregate data rate of 128 kilobits per second full duplex connection. Full multimedia capability is supported enabling voice, video, and data communication over BRI networks.

Multiple OBIU modules can be supported in the same AccessSwitch base unit for applications requiring more than eight BRI ports. The AccessSwitch 200 chassis can accommodate up to 19 modules for a total of 152 BRI connections. A maximum of five modules can be supported by the AccessSwitch 60 chassis for a total of 40 BRI connections. An additional AccessSwitch chassis can be cascaded for applications requiring larger numbers of BRI ports.

COST-EFFECTIVE

The Initia OBIU and OBIU-U modules provide network access to low-cost Basic Rate ISDN or distribution of Basic Rate ISDN for universal access to desktop videoconference users.

CUSTOMER SUPPORT

The AccessSwitch product line is backed by Initia's world-renowned expertise in networking. Initia's worldwide service and support organization continues to satisfy the needs of our worldwide installed base in the most demanding Global 1000 companies. The Initia AccessSwitch product line comes with a one-year warranty and a 30-day installation guarantee, which includes free technical hotline support and on-site assistance as required.

PRODUCT SPECIFICATIONS

PHYSICAL

Height:	395 mm	15.56 inches
Width:	19 mm	0.75 inches
Depth:	229 mm	9.00 inches
Weight:	1.9 kg nom.	4.25 lbs. nom.

ENVIRONMENTAL

Operating Temperature:	5 to 55° C	40 to 130° F
Operating Humidity:	20% to 80%	noncondensing
Operating Altitude:	60 to 3,000 meters	-200 to 10,000 feet

Safety and Emissions

(U.S.) All relevant sections of UL 1950 (Third Edition), UL1459, CSA 22.2 No. 950-95, and FCC Part 15 Class A (EC) All relevant sections of EN60950, EN41003, and European EMC Directive 89/336/EEC

INTERFACES

Maximum Per Chassis: 19 in AccessSwitch 200
5 in AccessSwitch 6n

Number of Output Ports: 8 Ports

Nominal Output Data

Rate: (2) 64 kb/s B Channels plus
(1) 16 kb/s D Channel

Maximum Output Rate: 128 kb/s Full Duplex

Physical Connections: 8 RJ45 Connectors

Interface Circuitry: Motorola MC14572
2B1Q U Transceiver

NETWORK TERMINATION

LT termination of U Reference Interface complies with all relevant sections of ANSI Standard T1.601-1992

LINE CHARACTERISTICS

ISDN U Reference

Interface: 2-Wire twisted pair line

ISDN S or T Interface: 4-Wire twisted pair line

MAXIMUM DRIVE CAPABILITY

ISDN U Interface: 6,000 meters 18,000 feet

ISDN S, T Interface: 1,000 meters 3,000 feet

CONFORMANCE

Conforms with Bellcore standard loop tests

SOFTWARE REQUIREMENT

OBIU S or T Interface

- AccessWare 13.0 or higher system software
- AccessWare LMC/NMC 5.1 or higher network management software

OBIU U Interface

- AccessWare 13.2 system software
- AccessWare LMC/NMC 6.0 network management software

MAJOR NETWORK PROTOCOLS SUPPORTED

National ISDN1
EuroISDN Net3
AT&T 4ESS, 5ESS
DMS 100, 250
NTT Net 64

ACCESSORIES INCLUDED

Output Card with 8 x RJ45 Connectors

ORDERING INFORMATION

- AccessSwitch 200, AccessSwitch 60 ordered separately
- AccessSwitch country kit ordered separately
- AccessWare system software ordered separately
- AccessWare NMC remote network management ordered separately

Order Codes

OBIU-0002, OBIU S or T i/f for AccessSwitch 60 and AccessSwitch 200
OBIU-0004, OBIU-U i/f for AccessSwitch 60 and AccessSwitch 200



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