

Initia AccessSwitch

PLUG-IN MODULES FOR ACCESSSWITCH SLOTTED HUBS
PROVIDE HIGH-SPEED TRUNK CONNECTIVITY



The Initia QDIU and QEIU modules are part of a family of interface modules that provide input/output connections between high-speed digital networks 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.

HIGH-SPEED INTERFACES

The Quad high-speed Digital Interface Units, QDIU and QEIU are plug-in modules for AccessSwitch slotted hubs (six- or 20-slot chassis). Modules can be used in any combination to provide powerful call switching capabilities among T1, ISDN Basic or Primary Rate, or E1 Primary Rate bunking, and V.35/RS449 high-speed synchronous interfaces.

Respectively, the QDIU/QEIU modules provide four high-speed digital interface ports. Each input/output channel can be configured as either a T1(QDIU) or ISDN Primary Rate, and E1 ISDN

Primary Rate (QEIU) port. For QDIU, channel configurations can be any combination on each module. Each QEIU port features standard Euro ISDN B channel (56/64 kbps) data rates. In addition, GloBanD data rates supported include single B channel (56/64 kbps), HO (384 kbps), H10 (1,472 kbps), H11 (1,536 kbps), and H12 (1,920 kbps). Standard data rates supported by each QDIU port include single B channel (56/64 kbps), HO (384 kbps), and H10 (1,472 Mbps). An entire T1 or E1 Primary Rate span (24 channels) can be used as switched bearer channels with out-of-band signaling provided by a D channel on another PRI connected to the AccessSwitch.

Where permitted, modules can establish signaling groups of up to four PRI trunks with a single D signaling channel using Non-Facility Associated Signaling (NFAS).

POWERFUL CALL SWITCHING CAPABILITIES

The Initia I/O modules provide powerful call switching capabilities among many popular interfaces, including T1 and ISDN Basic or Primary Rate.

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.

A worldwide network of field service engineers provides a wide range of technical services including on-site technical support and software upgrades. Customers can also download up-to-date technical information from on-line services such as CompuServe or can contact the Initia World Wide Web home page (<http://www.initiainc.com>). 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 60

Number of Output Ports: QDIU/QEIU 4 Ports

Nominal Output Data Rates:

QDIU:	B Channel (56/64 Kbps)
	H0 (384 Kbps)
	H10 (1,472 Kbps)
	H11 (1,536 Kbps) using NFAS Feature
QEIU:	EuroISDN - B Channels (56 and 64 Kbps)
	GloBand B Channels (56 and 64 Kbps)
	H0 (384 Kbps)
	H10 (1,472 Kbps)
	H11 (1,536 Kbps)
	H12 (1,920 Kbps)

PHYSICAL CONNECTIONS

QDIU - 4 RJ45 Connectors
QEIU - 4 RJ45 Connectors

STANDARDS COMPLIANCE

QDIU:	All relevant sections of ANSI T1.403.1989
QEIU:	All relevant sections of CCITT G.703 and G.704

SOFTWARE REQUIREMENT

QDIU

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

QEIU

- AccessWare 13.0 or higher system software
- AccessWare LMC/NMC 5.2 or higher network management software

MAJOR NETWORK PROTOCOLS SUPPORTED

National ISDN1
EuroISDN Net5
AT&T 4ESS, 5ESS
DMS 100, 250
NTT Net-1500

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

QDIU-0004, Four T1 (DSX) Interfaces
QEIU-0002, Four E1 Primary Rate ISDN Interfaces



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