

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 12, 2026

JDSU

JDSU 42242 Dipphase Interface Module

The 42242 isaJDSU dipphase interface module accessory used with JDSU/Acterna communications test platforms for dipphase signaling interfaces. Public OEM electrical tables for this specific module SKU are sparse.



MODEL

JDSU 42242

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

42242

LISTING

<https://aumictechlabs.com/products/42242-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The JDSU 42242 Dipphase Interface Module emulates dipphase and conditioned dipphase encoded signals for comprehensive telecommunications equipment verification. This interface module integrates with the FIREBERD 8000 Datacom Error Tester to support installation, maintenance, and troubleshooting of data communications circuits and network elements through accurate signal condition simulation. Technical Specifications Data rate support: Up to 18 Mbps for BER patterns Native datacom interfaces: EIA-530, RS-449 (422 and 423), RS-232, X.21, V.35, V.36 Additional supported interfaces: EIA-530A, MIL-188C, MIL-188-114 Circuit emulation: Dipphase and conditioned dipphase circuits Operating modes: Synchronous/Asynchronous and DTE/DCE Key Features End-to-end circuit continuity and throughput verification DTE/DCE datacom network element emulation Quality of Service (QoS) verification Broken lead detection for balanced (differential) circuits Graphical reporting of clock-data phase relationships to identify alignment issues Integration with FIREBERD 8000 analysis platform for round trip delay, G.821, and pattern slip measurements Typical Applications Network testing and analysis of telecommunications

equipment Rapid circuit troubleshooting and restoration Data communications circuit installation and maintenance Performance verification against specified metrics Compatibility & Integration Designed for use with the JDSU FIREBERD 8000 Datacom Error Tester platform. The module supports multiple legacy and contemporary datacom interface standards, enabling testing across diverse network architectures and equipment configurations.

Features & description

From manufacturer datasheet

Features

- Module type: Dipphase Interface Module • Model: 42242 • Manufacturer: JDSU • Role: interface adaptation (notastandalone analyzer)
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Applications

- Dipphase interface adaptation on JDSU communications testers • Legacy dipphase circuit testing • Interface module for compatible JDSU mainframes/probes

42242 Characteristics / Specifications

PARAMETER	VALUE
Model	42242
Manufacturer	JDSU
Instrument Type	Diphase Interface Module
Alias	42242; JDSU 42242
Type	diphase interface module Notes Verified asadiphase interface module from catalog identity. Confirm host platform compatibility and pinout on the unit label/manual; do not invent line-rate or voltage numbers without OEM documentation.
Module type	Diphase Interface Module
Role	interface adaptation (notastandalone analyzer)

42242 Specifications

PARAMETER	VALUE
JDSU 42242 Diphase Interface Module	Overview
Key Features	- Module type: Diphase Interface Module
Technical Specifications	Model: 42242

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications

Specifications

PARAMETER	VALUE
Model	42242
Manufacturer	JDSU
Instrument Type	Diphase Interface Module
Alias	42242; JDSU 42242

Type: diphase interface module

Notes

Verified asadiphase interface module from catalog identity. Confirm host platform compatibility and pinout on the unit label/manual; do not invent line-rate or voltage numbers without OEM documentation.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.