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Data Sheet

August 15, 2026

JDS UNIPHASE

JDS Uniphase N530-0163

The JDS Uniphase N530-0163 TestPoint 10Gbps Module is a high-speed data transmission testing platform designed for telecommunications and data networking applications. This module delivers comprehensive protocol support across the 10 Gbps spectrum, including 10 Gigabit Ethernet (LAN/WAN), SONET/SDH BERT with PRBS injection into STS-192c/VC-4-64c, and optional 10 Gigabit Fibre Channel. It performs lower-layer PCS testing, RFC 2544 compliance validation, and multi-stream traffic simulation with advanced error monitoring and latency analysis. Generic Frame Procedure (GFP) - licensed option; GFP-F into OTU2 and GFP into STS-192c/VC-4-64c 8 Gbps and 10 Gbps Fibre Channel Forward Error Correction & Digital Wrapper Support Optical: 10 Gigabit XFP modules or fixed optics for stressed receiver sensitivity (SRS) testing



MODEL

**JDS Uniphase
N530-0163**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N530-0163

LISTING

<https://aumictechlabs.com/products/n530-0163-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The JDS Uniphase N530-0163 TestPoint 10Gbps Module is a high-speed data transmission testing platform designed for telecommunications and data networking applications. This module delivers comprehensive protocol support across the 10 Gbps spectrum, including 10 Gigabit Ethernet (LAN/WAN), SONET/SDH BERT with PRBS injection into STS-192c/VC-4-64c, and optional 10 Gigabit Fibre Channel. It performs lower-layer PCS testing, RFC 2544 compliance validation, and

multi-stream traffic simulation with advanced error monitoring and latency analysis. Technical Specifications Supported Protocols & Rates 10 Gigabit Ethernet (10 GigE) LAN and WAN testing SONET/SDH BERT with PRBS into STS-192c/VC-4-64c 10 Gigabit Fibre Channel (GFC) - licensed option Generic Frame Procedure (GFP) - licensed option; GFP-F into OTU2 and GFP into STS-192c/VC-4-64c Cisco High-Level Data Link Control (HDLC) - licensed option 8 Gbps and 10 Gbps Fibre Channel Forward Error Correction & Digital Wrapper Support G.709 ODU2 at 10.037 Gbps OTU2 at 10.709 Gbps FEC at 11.049 Gbps, 11.095 Gbps, 11.270 Gbps, and 11.317 Gbps Interfaces Optical: 10 Gigabit XFP modules or fixed optics for stressed receiver sensitivity (SRS) testing Electrical Production Packages: N530-0163-PA1 (9.9G-10.5G) and N530-0163-PA2 (8.5G-11.3G) Key Features Multi-stream traffic simulation: 128 physical ports, 4096 logical ports (ExStreams) Stream definitions: up to 4096 streams per transmission port Error monitoring: FCS errors, frame length threshold detection, and frame loss analysis Sequencing analysis: frame loss, out-of-order detection, duplicate frame identification Latency measurements: minimum, maximum, and average in single-stream mode Error insertion into transmit traffic MAC filtering (8 entries), VLAN filtering, and 6-byte pattern filtering with offset control Typical Applications 10 GigE LAN/WAN validation and compliance testing SONET/SDH BERT characterization Fibre Channel protocol validation RFC 2544 performance benchmarking Lower-layer physical layer and PCS testing Compatibility & Integration The N530-0163 integrates into the TestPoint modular platform architecture, supporting both XFP optical modules and fixed optics configurations. Electrical production packages enable flexible deployment across carrier-grade and enterprise test environments.

N5300163 Characteristics / Specifications

PARAMETER	VALUE
Model	N530-0163
Instrument Type	JDS Uniphase optical assembly
Manufacturer	JDS Uniphase
Literature	remaining-queue listing JDS Uniphase N530-0163
Family	JDSU N530 optical assemblies
Form Factor	as installed per drawing
System Role	optical assembly in JDSU plants that specify N530-0163
Brand Lineage	JDS Uniphase
Queue Title	JDS Uniphase N530-0163
Documentation Type	OEM remaining-queue listing
Use Case	optical assembly in JDSU plants that specify N530-0163
Vendor Path	JDS Uniphase
Year Class	N530-0163 generation
Application Class	JDS Uniphase optical assembly
Module Class	JDS Uniphase optical assembly
Host Class	host on the drawing
Connector Class	connectors on the drawing
Ate Class	industrial / lab ATE class
Control Class	front panel / firmware on the drawing
Environment Class	ambient on the nameplate
Voltage Class	volts on the nameplate
Current Class	amperes on the nameplate
Config	N530-0163 remaining-queue suffix
Function Class	function on the drawing
Optical Role	N530 assembly

N5300163 Specifications

PARAMETER	VALUE
Applications	optical assembly in JDSU plants that specify N530-0163 in systems that specify N530-0163.
Key Features	JDS Uniphase N530-0163
JDS Uniphase optical assembly	JDSU N530 optical assemblies
Technical Specifications	Model: N530-0163
Notes	From remaining-queue title (JDS Uniphase N530-0163). Optical limits are on the N530-0163 drawing.

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	
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Config	0163 remaining-queue suffix

Notes

From remaining-queue title (JDS Uniphase N530-0163). Optical limits are on the N530-0163 drawing.

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.