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Data Sheet

August 14, 2026

ANRITSU

Anritsu MU150017A SDH/SONET Module

Anritsu MU150017A Optical 10G Wide Receiver Unit The Anritsu MU150017A is the Optical 10G Rx (Wide) plug-in for the MP1570A. OEM MP1570A documentation lists 9953.28 Mbit/s receive, wide optical input versus the MU150002A narrow Rx, a supplied 5 dB fixed attenuator for loop-back, plus 3 dBm class maximum input caution, and replaceable FC/ST/DIN/SC/HMS-10/A connectors. OC-192/STM-64 optical receive, error performance, and overhead analysis in MP1570A systems. Instrument Type: Optical 10G Rx Wide plug in The Anritsu MU150017A is the Optical 10G Rx (Wide) plug-in for the MP1570A. OEM MP1570A documentation lists 9953.28 Mbit/s receive, wide optical input versus the MU150002A narrow Rx, a supplied 5 dB fixed attenuator for loop-back, plus 3 dBm class maximum input caution, and replaceable FC/ST/DIN/SC/HMS-10/A connectors. OC-192/STM-64 optical receive, error performance, and overhead analysis in MP1570A systems. Instrument Type: Optical 10G Rx Wide plug in Host Mainframe: MP1570A SONET SDH PDH ATM analyzer



MODEL

**Anritsu
MU150017A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

MU150017A

LISTING

<https://aumictechlabs.com/products/mu150017a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Anritsu MU150017A is an optical receiver unit designed for use with Anritsu network analyzers, specifically the MP1570A/A1 models. This module is integral for high-speed digital communication testing, offering capabilities for 10G optical signals. It functions as an Optical-to-

Electrical (O/E) converter. Technical Specifications * Product Type: Optical Interface Unit (Receiver) Model Number: MU150017A Bit Rate: 9953.28 Mbit/s ± 100 ppm Wavelength: 10G: 1550 nm band Sensitivity: -11 to -3 dBm (10G BER10–12, NRZ, VC4-64c, Optical scramble: on, mark ratio: 1/2, PRBS 223) Functionality: Optical-to-Electrical (O/E) conversion Compatibility: Designed for use with Anritsu MP1570A/A1 network analyzers Origin: Made in Japan Electrical Specifications (Derived from related models, applicable to MU150017A's function) * Electrical Data Output: 0.7 to 1.3 Vp-p (Typical for similar O/E converter units like MU150017B) Electrical Clock Output: 0.65 to 1.3 Vp-p (Typical for similar O/E converter units like MU150017B) Electrical Output Connector: SMA 50 Ω (Typical for similar O/E converter units like MU150017B) Interfaces * Optical Input: Compliant with 10G optical standards, with a specified wavelength of 1550 nm band. Electrical Outputs: Provides electrical data and clock outputs for further analysis by the host network analyzer. Physical Characteristics * Construction: Module designed for integration into Anritsu network analyzer systems. Compatibility * Host Analyzers: Primarily compatible with Anritsu MP1570A and MP1570A1 network analyzers. It can be used with the MP1580A Portable 2.5G/10G Analyzer when installed with appropriate jitter units. Application Notes The Anritsu MU150017A is specifically designed for applications requiring the reception and conversion of 10G optical signals to electrical signals for detailed analysis. This includes jitter and wander measurements, BER testing, and other high-speed digital signal integrity assessments within telecommunications and data networking infrastructure testing. Its sensitivity range and bit rate accuracy make it suitable for validating component and system performance under demanding conditions. Why Choose Aumictech for Anritsu MU150017A? At Aumictech, we specialize in supplying high-end test and measurement equipment. Whether you need precise 10G optical signal reception, extended dynamic range for component testing, or enhanced capabilities for your Anritsu network analyzer, our team ensures the Anritsu MU150017A delivers maximum performance for your application.

MU150017A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Optical 10G Rx Wide plug in
Host Mainframe	MP1570A SONET SDH PDH ATM analyzer
Bit Rate 10G	9953.28 Mbit/s
Companion Tx	MU150001A/B Optical 10G Tx 1.55
Narrow Sibling	MU150002A Optical 10G Rx Narrow
Loopback Attenuator	J0747A 5 dB fixed optical attenuator supplied
Maximum Input Class	plus 3 dBm class with loop-back attenuator required for self loop-back
Optical Connector	FC-PC SMF
Connector Options	FC ST DIN SC HMS-10/A replaceable
Host Rate Span	1.5 Mbit/s to 10 Gbit/s depending on other plug ins
Host Clock Accuracy	plus or minus 3.5 ppm internal without jitter unit
Concat Mapping	STM-1c up to STM-64c
Error Performance	G.826 M.2101 M.2110 M.2120 on host
Alarms	LOS LOF OOF MS-AIS MS-RDI AU-AIS AU-LOP and path alarms
Overhead Capture	SOH/POH any 1 byte H1/H2 K1/K2
Prbs Patterns	2 ¹¹ -1 through 2 ³¹ -1 on host
Slot Architecture	MP1570A six slot plug in
Standards	ITU-T G.703 and G.958 including 9953 Mbit/s
Form Factor	MP1570A plug in unit
Remote Control	GPIB RS-232C or Ethernet via mainframe
Through Modes	transparent overhead overwrite payload overwrite on host
External Clock 10G	1.02 to 0.58 Vp-p 50 ohm ECL AC class

MU150017A Specifications

PARAMETER	VALUE
Anritsu MU150017A Optical 10G Wide Receiver Unit	Overview
Applications	OC-192/STM-64 optical receive, error performance, and overhead analysis in MP1570A systems.
Key Features	Wide 10G optical receive
Replaceable optical connectors	Works with MU150001A Tx
Technical Specifications	Instrument Type: Optical 10G Rx Wide plug in

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.

performance, and overhead analysis in MP1570A systems.

Key Features

Wide 10G optical receive

5 dB loop-back attenuator supplied

Replaceable optical connectors

Works with MU150001A Tx

Host G.826 error performance

Technical Specifications

Technical Specifications

PARAMETER	VALUE
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Host Mainframe	MP1570A SONET SDH PDH ATM analyzer
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Overhead Capture	SOH/POH any 1 byte H1/H2 K1/K2
Prbs Patterns	2^11-1 through 2^31-1 on host
Slot Architecture	MP1570A six slot plug in
Standards	ITU-T G.703 and G.958 including 9953 Mbit/s
Form Factor	MP1570A plug in unit
Remote Control	GPIO RS-232C or Ethernet via mainframe
Through Modes	transparent overhead overwrite payload overwrite on host

PARAMETER

VALUE

External Clock 10G

1.02 to 0.58 Vp-p 50 ohm ECL AC class

Notes

From Anritsu MP1570A/MU15xxxx specification, accessory, and operation-manual cautions. Use the supplied 5 dB attenuator for Tx/Rx loop-back to protect the wide receiver.

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.