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Data Sheet

August 14, 2026

ANRITSU

Anritsu MU110012A 40/100G Module CFP2

The Anritsu MU110012A is a plug-in module in the Anritsu MU1xxxx family for modular Anritsu test platforms. OEM product naming identifies it as an instrument module providing specialized measurement or interface functions when installed in a compatible Anritsu mainframe. Modular system configurations, specialized interface testing, and automated Anritsu rack systems.

Instrument Type: Plug in measurement module Host Platform Class: Anritsu modular mainframe class Weight Class: Single slot module weight class Interface Standards Class: Anritsu module bus class Option Codes Class: Module option dependent class From Anritsu MU110012A modular instrument listings. Confirm exact function and numeric specs on the module datasheet. Series Family row uses letter-start naming without hyphens in the parameter field.



MODEL

**Anritsu
MU110012A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

MU110012A

LISTING

<https://aumictechlabs.com/products/mu110012a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Anritsu MU110012A is a 40/100G CFP2 module for the MT1100A Network Master Flex mainframe, delivering high-speed optical transceiver characterization and compliance validation. It enables PCS layer testing, Ethernet QoS evaluation, OTN frame generation, and 400G device testing across multiple interface types and bit rates from 1.5 Mbps to 100 Gbps. Technical Specifications Supported Interfaces & Port Configuration CFP2: Up to 2 ports CXP: Up to 2 ports QSFP+: Up to 2 ports CFP4: Up to 2 ports (requires J1665A) QSFP28: Up to 2 ports (requires

J1686A) Bit Rate Support Single-port operation: 40 Gbps or 100 Gbps Multi-port operation: 40 Gbps to 100 Gbps on CFP2, CXP, and QSFP+ System range: 1.5 Mbps to 100 Gbps (with additional MT1100A modules) Key Features PCS Layer Testing Lane mapping switching and monitoring, PCS skew generation and monitoring, and alarm/error generation covering High BER, Invalid Block, Invalid Sync Header, Invalid Alignment Marker, and BIP errors. Ethernet Testing QoS evaluation including frame loss, transfer time, and jitter characterization. Supports simultaneous generation of up to 16 traffic streams with independent QoS parameter configuration per stream. OTN Testing OTU4 frame generation and monitoring, PRBS-based BER measurement, and alarm detection. Enables Ethernet-over-OTN signal mapping for layered protocol validation. 400G Device Testing Utilizes four 100G client signals across full 400G bandwidth for comprehensive multi-lane device evaluation. Module Options MU110012A-015: Ethernet 100G Single Channel MU110012A-055: OTN 100G Single Channel Opt 016: Ethernet 100G Dual Channel Opt 056: OTN 100G Dual Channel Typical Applications R&D characterization and manufacturing validation of 40/100G optical transceivers, signal integrity analysis, standards compliance assessment, and field troubleshooting of high-speed optical communication systems. Compatibility & Integration Designed exclusively for integration with the Anritsu MT1100A Network Master Flex mainframe. Operates in conjunction with multi-rate modules to extend test capabilities across legacy to 100G bit rates.

MU110012A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Plug in measurement module
Series Family	MU110012a
Form Factor	Plug in module
Host Platform Class	Anritsu modular mainframe class
Remote Control	Via host
Power	Supplied by host
Operating Temperature Class	Laboratory host range class
Calibration	Module level calibration class
Export Classification Class	Commercial test module class
Warmup Class	Per host recommendation
Status Reporting	Host status system class
Connector Class	Application specific front panel class
Related Family	MU11xxxx modules
Use Case	Modular automated test
Form Factor Height Class	Single slot class
Display	Through host mainframe
Firmware	Host managed module firmware class
Safety Class	Per module safety marking class
Storage Class	Host setup memory class
Weight Class	Single slot module weight class
Primary Power Path	Host backplane power
Interface Standards Class	Anritsu module bus class
Series Family Alt	MU110012A
Operating temperature	Class: Laboratory host range class

MU110012A Specifications

PARAMETER	VALUE
Anritsu MU110012A Module	Overview
Key Features	MU11xxxx modular plugin
Technical Specifications	Instrument Type: Plug in measurement module

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: Laboratory host range class
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Operating Temperature Class	Laboratory host range class
Calibration	Module level calibration class
Export Classification Class	Commercial test module class
Warmup Class	Per host recommendation
Status Reporting	Host status system class
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Use Case	Modular automated test
Form Factor Height Class	Single slot class
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Safety Class	Per module safety marking class
Storage Class	Host setup memory class
Weight Class	Single slot module weight class
Primary Power Path	Host backplane power
Interface Standards Class	Anritsu module bus class
Series Family Alt	MU110012A Notes From Anritsu MU110012A modular instrument listings. Confirm exact function and numeric specs on the module datasheet. Series Family row uses letter-start naming without hyphens in the parameter field.

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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PARAMETER	VALUE
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Weight Class	Single slot module weight class
Primary Power Path	Host backplane power
Interface Standards Class	Anritsu module bus class
Option Codes Class: Module option dependent class	
Series Family Alt: MU110012A	
Notes	
From Anritsu MU110012A modular instrument listings. Confirm exact function and numeric specs on the module datasheet. Series Family row uses letter-start naming without hyphens in the parameter field.	

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

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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.