Redefining Transport Testing

MT1000A
Network Master Pro

Today’s communication networks are becoming more and more sophisticated as leading network operators install new technologies like OTN, MPLS-TP and Ethernet in their metro and backhaul networks and CPRI/OBSAI in Mobile Fronthaul networks. In some cases, operators must also support Fibre Channel links, while still keeping legacy technologies like SDH/SONET and PDH/DSn operational. The Network Master Pro MT1000A redefines the direction of future test platforms by bringing these network test requirements to a portable device, making it the ideal tool for field testing.

The compact, battery-powered and easy-to-use Anritsu MT1000A with 10G Multirate Module MU100010A has everything in a single, handy tester needed to install and maintain communication networks from 1.5 Mbps to 10 Gbps. This portable, compact, lightweight instrument makes network field testing easy. Service engineers can read and interpret data from the tested network directly on the 9-inch color display with easy-to-understand indications and graphical symbols. And the GUI makes it simple to configure and operate the instrument at its full potential. The MT1000A has been designed for easy expandability, reducing initial costs, and facilitating step-by-step customized investment.
Key Benefits and Features:
- All-in-one transport tester
  - supports testing from 1.5 Mbps to 10 Gbps
- Easy and intuitive GUI
- Dual port at all rates
- WLAN/Bluetooth/LAN connectivity
- PDF, CSV and XML report generation for documenting test results
- Remote operation (VNC, Dedicated GUI software)
- Remote control (scripting, via Ethernet, WLAN, GPIB)
- Portable design for maximum portability
- Modular platform ensuring maximum return on investment

Key Applications:
- Metro and core networks installation and maintenance
  - OTN up to OTU2 including mapping of Ethernet, CPRI, Fibre Channel, SDH/SONET client signals, multistage mapping and FEC (Forward Error Correction)
  - Testing and verification of new OTN functions: ODU0 and ODUflex
- Carrier Class Ethernet installation and troubleshooting
  - Ethernet testing up to 10 Gbps including RFC 2544, RFC 6349 and Y.1564
  - OTN up to 10 Gbps
  - MPLS-TP and PBB/PBB-TE up to 10 Gbps
  - Frame capture for advanced troubleshooting
- Mobile Backhaul installation and verification
  - CPRI testing up to 10 Gbps
  - OBSAI testing up to 6 Gbps
- Powerful Storage Area Networking (SAN) testing
  - Fibre Channel up to 10 Gbps
  - Quick and easy testing of SDH/SONET and PDH/DSn networks
    - SDH/SONET (STM-1 to 64/OC-3 to 192)
    - PDH/DSn (E1, E3, E4, DS1, DS3)
- Event log
- Fiber end face inspection using VIP

Product Configurations

<table>
<thead>
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<th>Model/Order No.</th>
<th>Name</th>
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<td>MT1000A</td>
<td>Network Master Pro</td>
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<tr>
<td><strong>Module</strong></td>
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<tr>
<td>MU100010A</td>
<td>10G Multirate Module</td>
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<td>MU100010A-001</td>
<td>Up to 2.7G Dual Channel</td>
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<td>MU100010A-011</td>
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<td>MU100010A-061</td>
<td>ODU Multiplexing</td>
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<td>MU100010A-062</td>
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<td>MU100010A-071</td>
<td>CPRI/OBSAI Up to 5G Dual Channel</td>
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<td>MU100010A-072</td>
<td>CPRI/OBSAI 6G to 10G Single Channel</td>
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<td>MU100010A-073</td>
<td>CPRI/OBSAI 6G to 10G Dual Channel</td>
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<td>MU100010A-081</td>
<td>STM-64 OC-192 Single Channel</td>
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<td>FC 1G 2G 4G Dual Channel</td>
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<td>FC 8G 10G Single Channel</td>
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<td>Connectivity for WLAN/Bluetooth</td>
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<td>G0311A</td>
<td>1G 850 nm SX SFP</td>
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<tr>
<td>G0312A</td>
<td>1G 1310 nm LX SFP</td>
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<td>G0332A</td>
<td>100M FX 1310 nm MM SFP</td>
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<td>G0333A</td>
<td>10G SR/SW 850 nm SFP+</td>
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<td>G0356A</td>
<td>8G FC/10G SR 850 nm SFP+</td>
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<td>G0329A</td>
<td>10G LR 1310 nm SFP+</td>
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<td>G0315A</td>
<td>10G LR/LW 1310 nm SFP+</td>
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<td>10G ER/EW 1550 nm 40 km SFP+</td>
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<td>G0319A</td>
<td>Up to 2.7G 1310 nm 15 km SFP</td>
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<td>G0306A</td>
<td>Video Inspection Probe</td>
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<td>J1667A</td>
<td>GPIB-USB Converter</td>
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1: Includes SDH up to STM-16, SONET up to OC-48, PDH (E1, E3, E4), DSn (DS1, DS3), OTN (OTU1) and Ethernet (1 Gbps, 100 Mbps, 10 Mbps).
2: Available for certified countries and regions including USA, Canada, Japan and all EU countries. Please contact Anritsu for updated information.

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