

# Handheld 1G/10G Ethernet Tester for Network Path Testing and Maintenance

# MFT-1GbE AQ1301 MFT-10GbE AQ1300

## Excellent Functionality and Operability Optimized for Field Testing

The AQ1300 series is a compact and lightweight Ethernet tester that is designed to improve both work efficiency and quality at the same time, with function optimized for the network path testing and maintenance of Ethernet networks up to 1G or 10G depending on model chosen.

Easy operation prevents operational errors and stabilizes work quality for routine tasks such as network path testing.

Powerful analysis functions help isolate failures during maintenance work.

The AQ1300 series has two models, AQ1300 and AQ1301 to choose from depending on the measurement interface and bit rate. You can choose the model suitable for your test needs.

<b>AQ1301</b>	<b>10M</b>	<b>100M</b>	<b>1G</b>	
<b>AQ1300</b>	<b>10M</b>	<b>100M</b>	<b>1G</b>	<b>10G</b>

### World's Smallest in-Class 10GbE Tester (AQ1300)

The AQ1300 is the world's smallest in-class 10G Ethernet tester. It offers excellent mobility for field work, reduces workload, and ensures work efficiency and safety.

- A5-size
- Easy-to-carry robust structure suitable for field use
- The lightweight (Approx. 1.3 kg (2.9 lbs)) makes it more comfortable to carry or hold in the hand at work.

### All Functions in One for Field Testing

All the functions needed for field performance testing are integrated into a compact unit. The functions are optimized to improve work efficiency in the field where work hours and working conditions are limited.

- Optical and electrical measurement ports for 10M to 1G (AQ1301) and 10M to 10G (AQ1300) are available
- Built-in Optical power meter (factory-installed option for the AQ1300)
- Equipped with a variety of test functions to evaluate Ethernet performance, such as a throughput test, latency measurement, bit error rate test, and PING test.

### More Efficient and Reliable Network Path Test

Network path testing or other routine work require not only work efficiency but also that every worker with any skill level can carry out a proper test with the correct procedure and settings. Automated tests using the setup files pre-loaded on the tester ensures consistent work quality.

- Auto: Just select a setup file and run it to perform automatic measurement and save the measurement results
- Auto (Remote): Link the two units as master and slave to run automatic tests.
- Remote Control: Control remotely from a PC via GUI



### Actual size

Approx. 217.5 mm (W) x 157 mm (H) x 74 mm (D) (excluding protrusions)  
8.6 in (W) x 6.2 in (H) x 3.0 in (D)

### Powerful Failure Analysis Functions

The AQ1300 series provides a variety of functions to reproduce the user's traffic environment for more accurate troubleshooting.

- Function to generate a variety of test frames to reproduce the real traffic environment
- Tests with variable frame length and field, overload test, burst traffic test, and multi-flow test
- Various physical layer analysis functions

### Intuitive and Comfortable Graphical User Interface (GUI)

The screen is laid out so that you can understand the information you need such as the setting items and setting states at a glance and a unified operating system offers stress-free operation.

- All the menu keys, operation buttons, and rotary knob are laid out on the right side to allow for single hand operation.
- The operation system is optimized for practical use in network path testing and maintenance

### Large LCD Screen

The large screen improves work efficiency and reduces operational errors and mistakes.

- An easy-to-read large color LCD display (5.7-inch, 640 x 480 pixels)