

Certifier40G: Next-Generation Cable Certifier

NGC-4500



Key Features

- Improve installer productivity up to 50 percent by eliminating unnecessary walking between local and remote units, with a Touch² system that lets them view and analyze test results at both ends
- Protect your investment with the most advanced tester in the market that certifies beyond all existing standards, with a 1600 MHz measurement frequency
- Quickly increase the productivity of new and experienced installers using the revolutionary large touch screen with intuitive user interface

Maximize Productivity

The revolutionary Touch² design, with intuitive touch screen at both ends makes using the Certifier40G the easiest cable tester ever. The full screen at both ends allows users in the field to minimize their walking time by initiating, configuring, and storing tests from either side of a link or channel.

Market-leading 9 second Cat-6A certification time and 15 second Class FA certification ensures that the JDSU Certifier40G will maximize installer productivity.

Future Proof

The next-generation measurement engine in the JDSU Certifier40G can measure above and beyond the frequencies of current testers, certifying Class-FA frequencies with full Level IV accuracy. The Certifier40G can measure frequencies for all current standards and future cabling standards required for 40 Gbps Ethernet over copper cables.

Maximize Value

The JDSU Certifier40G drives maximum value with a flexible, cost-effective permanent link design, field rugged casing, and simple modular upgrade path. The identical local and remote units make inventory and repair easier. The wide frequency range of the base feature set eliminates further license costs when upgrading for new technologies.

Benefits

- Revolutionary large touch screen
- Touch² two-ended control
- Reduces time walking back and forth
- Future proof 1600 MHz testing
- Fastest CAT 6A/Class FA test
- Level IV accuracy over the full Class FA spectrum
- Integrated planning software
- Optional integrated fiber end face inspection



Superb ease of use with large graphical touch screen

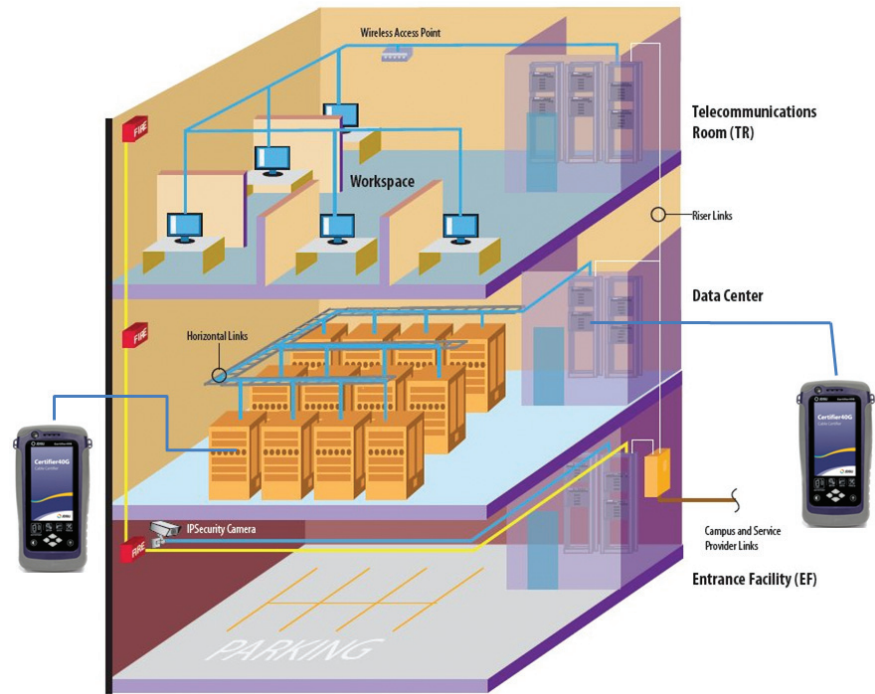


Complete PC desk reporting software

Superb Productivity

The JDSU Certifier40G features a super bright, color, touch screen display with quick-launch buttons for easy test access. The rich display provides clear information about test and instrument status.

The Touch² system with full user interfaces at both ends of the test minimizes setup and result evaluation time for technicians. Previously, certification and troubleshooting that required two technicians to perform efficiently can now be performed using one technician with minimal walking time.



Economical Ownership

- **Innovative Permanent Link testing approach**

Certifier 40G combines the accuracy of probe-attached permanent link cords with the inexpensive patch-cord-based testing, resulting in a permanent link testing solution that is flexible, cost-effective, and accurate.

- **Rugged modules**

Extra rugged modules, all flush with the main unit, eliminates accidentally dropping of sensitive, expensive parts.

- **Easy to track and manage devices**

Identical main and remote units make for easy replacement and parts management.



Specifications

Test Parameters

Supported frequency range: 1 to 1600 MHz
 TIA 1152 level IIIe and ISO/IEC 61935-1 Level IV accuracy

Supported Copper Cable Tests

Attenuation (Insertion Loss)
 Near-end crosstalk (NEXT) in pair-to-pair and power-sum
 Attenuation-to-crosstalk ratio far end (ACRF), pair-to-pair and power-sum
 Return loss
 Loop resistance
 Wiremap and shield
 Cable length
 Total propagation delay
 Delay skew between pairs

Test Standards

TIA -568-C.2 and TIA 1152 Category 5, 5e, 6, 6A
 ISO/IEC 11801, EN 50173 Class C, D, E, EA, F, FA

Power Supply

Removable/rechargeable Li-Ion batteries provide up to 8 hours continuous operation
 AC power adapter 100–240 V AC

Dimensions

Size 232 x 126 x 86.7 mm (9.13 x 4.96 x 3.41 in)
 Weight approx. 1.4 kg (3.0 lb) per unit

Memory

More than 500 MB (more than 2000 test results) of internal flash memory
 1 GB USB Flash Drive included for flexible test record storage

Connectivity

Probe interface connector
 RJ45 Ethernet port
 USB host and device interfaces
 Talk set interface: 3.5 mm stereo jack

Environmental

Operating temperature 0 to 40°C
 Storage temperature –20 to 60°C
 Relative humidity 10 to 80%

Ordering Information

Part Number	Description
NGC-4500-FA-(NA/EU/UK/AU)*	Certifier 40G Class FA copper kit (class FA adapters not included) with NA power cord
NGC-4500-6ACH2	Certifier 40G CAT6A channel adapter pair
NGC-4500-6ALKIT2	Certifier 40G CAT6A permanent link testing kit
NGC-4500-TERACH2	Certifier 40G CLASS FA TERA channel adapter pair
NGC-4500-TERAL2	Certifier 40G CLASS FA TERA permanent link adapter pair
NGC-4500-GGARJCH2	Certifier 40G CLASS FA GG45/ARJ45 channel adapter pair
NGC-4500-GGARJL2	Certifier 40G CLASS FA GG45/ARJ45 permanent link adapter pair

Upgradable to Tier 1 fiber certification with end-face inspection

*Please specify regional cables: North America (NA) Type A, European (EU) Type C, United Kingdom (UK) Type G, Australian (AU) Type I.



Two complete units to minimize time spent initiating, naming, and saving results



USB Flash Drive support to transfer test results



For more fiber testing and certification capabilities, combine the Certifier40G with one of the market-leading fiber testers from JDSU, such as the T-BERD/MTS-4000 with Quad OTDR.

Test & Measurement Regional Sales

<p>NORTH AMERICA TEL: 1 866 228 3762 FAX: +1 301 353 9216</p>	<p>LATIN AMERICA TEL: +1 954 688 5660 FAX: +1 954 345 4668</p>	<p>ASIA PACIFIC TEL: +852 2892 0990 FAX: +852 2892 0770</p>	<p>EMEA TEL: +49 7121 86 2222 FAX: +49 7121 86 1222</p>	<p>WEBSITE: www.jdsu.com/test</p>
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