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 Touch[2] 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 TIA-568/ISO 11801 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 Touch[2] 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.

Minimize time spent transferring results off the tester with the capacity to store over 2,000 full Cat-6A graph results.

Market-leading 9 second Cat-6A certification time and 15 second Class FA certification ensures maximum installer productivity.

Future Proof

The next-generation measurement engine 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 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
- Touch[2] 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

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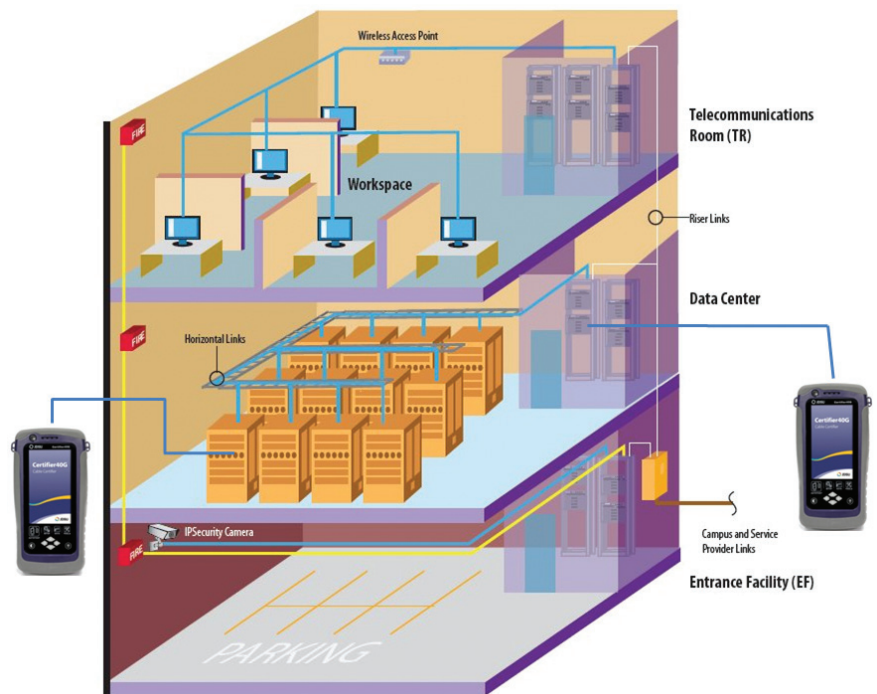Superb ease of use with large graphical touch screen

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 Touch[2] 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 achieves the accuracy of probe-attached permanent link cords with a test solution that is economical 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.

State-of-the-art, high-resolution, color touch screen

Identical main and remote with Touch[2] simplify control from both ends

Exceeds Level IV accuracy

Future-proof measurement engine tests well beyond 1 GHz

Field rugged, cost-effective permanent link adapter

Large memory capacity for results storage

Upgradeable for fiber testing and inspection

No protruding adapter increases ruggedness

Performs 9-s Cat-6A test and 15-s Class-FA test

Supports USB memory stick for simple file transfer

One screen keypad for easily entering data

From JDSU, the global leader in Communications Test and Measurement

◇ JDSU   Certifier40G

Certifier40G
Cable Certifier

◇ JDSU

AUTOTEST   SETUP   DATA   TOOLS

Complete planning and reporting software

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℃
Storage temperature	−20 to 60℃
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

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