

DN065



Overview

The DN065 is a handheld and integrated test set for the full 10/100/1000Mbps Ethernet deployment. A complete set of testing capabilities makes the DN065 ideal for the field technician to verify Ethernet service, perform cable test, BER tests, RFC2544 tests and IPDV test and determine traffic. Plus, it provides a wide range of tools necessary for Ethernet diagnosis (i.e. PING, trace route, flash port LED), thus enable itself qualified in the installation and troubleshooting of Ethernet.

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Functions

- Optical power test: optical power measurement for both the optical interface transmitting and receiving
- BER testing: BERT at Layer 1, Layer 2 and Layer 3
- Traffic test
 - Layer 2, Layer 3 or Layer 4 traffic generation
 - Traffic shaping: constant, ramp and burst
 - Multi-station simulation
 - Support DIX & 802.3 SNAP frame
 - Able to transmit oversize, runt and error frames
 - Multiple stream generation

- Twisted-pair tests: wiremap test and cable length measurement
- Monitoring statistics of bandwidth utilization, frame length & broadcast type
- RFC2544 test: throughput, latency, frame loss rate and back-to-back tests
- Round trip delay test
- Service disruption test for Ethernet
- IPDV test: IP packet jitter test with statistic information (Max, Min, Avg)
- Data management: save, view, delete and copy of test results
- Network tools: PING, trace route, flash port LED

Features

- Rugged, compact & lightweight
- Easy operation, high definition color display, intuitive GUI
- Dual 10/100/1000Mbps electrical ports and 100/1000Mbps optical ports;
- Rich network tools for connectivity verification and cabling test
- Line rate traffic generation, accuracy up to 0.001%
- Multi-stream generation: 8 independent traffic flows generation for one port
- VLAN function: VLAN and QinQ traffic generation and statistics
- IP QoS: IP QoS prioritization settings;
- Multiple test modes: dual-port mode, through mode, roundtrip mode and end-to-end mode
- Powerful battery: Built-in Li-ion rechargeable battery with long operation hours.

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Specifications

General	
Spec.	190×108×50 (mm)
Weight	1.1KG
Screen	color 4"LCD, 320×240 pixel
Operation mode	Keyboard
Interfaces	USB,RS232,10M network interface & power interface
Battery	Lithium
Endurance Time	continuous operation time>7 hours
Work Environment	Operating temperature: 0℃~+50℃、 Relative Humidity: 10%~90%
Data storage	CF storage card (512M)
Supported protocols	DIX, 802.3SNAP
Test Interfaces	10/100/1000BASE-T×2, 100/1000BASE-X×2

Configuration

Type	Standard	Optional	Top
DN065-1: 100 Base single port (RJ45*1)	√	√	√
DN065-2: 100 Base dual port (RJ45*2)	√	√	√
DN065-3: 1000 Base single port	√	√	√
DN065-4: 1000 Base dual port	√	√	√

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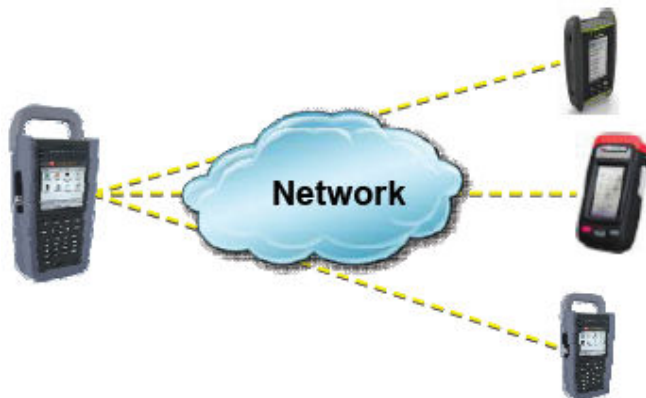


Applications

- **Terminal Mode:** Use a tester connected with network, cable or equipment, support functions such as ping test, cable test, terminal emulation, etc.



- **End-to-end test with two test sets**



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- Round trip test with loop on the other remote end



- Dual port mode: two ports of one unit for test



- Through mode: connect the test unit in the network for testing with dual ports



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