REAL WORLD CERTIFIER™

PERFORMANCE CERTIFY AND TROUBLESHOOT LAN HARDWARE AND CABLING (1OMB, 100MB, GIGABIT)

TAKES YOU FAR BEYOND TYPICAL LAN AND CABLE TESTING.... NOW, IN ADDITION TO ALL THE FAMILIAR CABLE TESTS, YOU CAN PERFORM *CABLE TYPING* (CAT3,5,5E,6) AND REAL *SPEED TESTS* ON CABLES, SWITCHES, HUBS AND PCS... WITH RESULTS SHOWN ON EASY-TO-READ GRAPHS! PLUS, STORE 250 TEST RESULTS IN FLASH MEMORY FOR LATER PRINTING!

TESTS AND DISPLAYS

★ CAT 3,5,5E,6 ★

CABLE CATEGORY

PASSED

- IDEAL FOR BOTH LAN MANAGERS AND CABLE INSTALLERS
- REAL WORLD CERTIFY NETWORK CABLES FOR 10MB, 100M, OR GIGABIT CAPABILITY
- TEST EXISTING CABLES FOR HIGHER SPEED COMPATIBILITY
- SPOT FAULTY WIRING CLOSET JUMPERS FROM YOUR OFFICE WALL OUTLET
- IDENTIFY EXCESSIVELY NOISY CABLES AND WORN CONNECTORS
- DECODE 10/100/GIG PCs, SWITCHES AND HUBS FOR ADVERTISED CAPABILITY
- GO "INLINE" BETWEEN TWO LAN DEVICES AND IDENTIFY THE NEGOTIATED SPEED
- TEST 10/100/GIGABIT PCs, SWITCHES AND HUBS FOR DATA SIGNAL LEVELS
- PERFORM YOUR OWN INSPECTION ON NEWLY PURCHASED DEVICES AND CABLES
- IDENTIFY SLOW RUNNING LINKS
- STORE 250 TESTS FOR LATER PRINTING

MODEL RWC1000K

ByteBrothers™
Network Test and Certification
20th Anniversary — bytebrothers.com

COMPARISONS AND DETAILS......

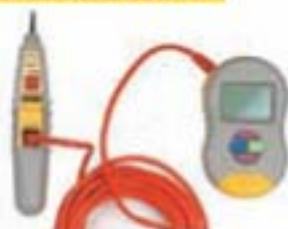| FEATURE	BYTE BROTHERS RWC1000K	MAJOR BRAND CERTIFIER
Wire map	Yes	Yes
Opens, shorts, splits	Yes	Yes
Distance to splits	Yes	No
Propogation delay	nanosec	nanosec
Skew	nanosec	nanosec
NEXT	Pass/Fail	dB
NEXT (FAR)	Pass/Fail	dB
Cable typing (Cat 3,5,5E,6)	CAT 3,5, 5E, 6	CAT 3,5, 5E, 6
Tests speed (Level 1)	10 MB, 100 MB, GIG	NA
Tests speed (Level 2)	10 MB, 100 MB, GIG*	CAT 3, 5, 5E, 6
Attenuation	Graph (%)*	dB
LAN port scanning	Yes	Yes
Inline port scanning	Yes	No
Price (MSRP)	$595.00	$4000.00

* Uses real data from your hub, switch or PC. Or buy our Linksys® GIGABIT switch (see web offer).

CABLE TESTS

Real World Certification proves that it doesn't take $4000 to properly ring out a cable installation!

Real World Certification Level 1

Speed tests with nanosecond accuracy will Real World certify your cables for use in 10MB, 100MB and Gigabit networks.

LEVEL 1 TESTS
- ✔ Length measurement of each cable pair.
- ✔ Locates opens, shorts and distance to the fault.
- ✔ Locates split pairs and the distance to the split.
- ✔ Wire map. Graphs cables internal pairing.
- ✔ NEXT (near end crosstalk) and NEXT(FAR).
- ✔ Propogation delay (time to transit cable).
- ✔ Skew (time delay between pairs).
- ✔ Cable typing. CAT 3, 5, 5E, 6.
- ✔ Speed Projection (Level 1): Algorithm converts test results into an easy-to-read graph projecting the cable's speed capability (up to 1 GIGABIT).

Real World Certification Level 2

Connecting to a hub, switch or PC gives the RWC1000 the real data and signal levels necessary to confirm a cable's capabilities.

LEVEL 2 TESTS. Includes Level 1 tests plus:
- ✔ Attenuation. Graphs level of real live data.
- ✔ Hot Splits. Split pairs and remote split pairs detected on a dead or live cable connected to a PC, hub or switch.
- ✔ Speed Certification (Level 2). Enhanced speed display samples *real live data* on all active pairs up to the limit of the hub, switch or PC (up to 1 Gig).
- Note: The Level 2 test uses real data from your hub, switch or PC. Or buy our lowcost Linksys® GIGABIT switch (see web offer). The Linksys hub will drive 5 cables at a time.

Toner/probe

- ✔ Toner/probe. Includes a full featured toner/probe. Tones all 4 pairs individually to locate wires in crowded wiring closets. Non-conductive tip and volume control.

NETWORK TESTS

Real World Certification and LAN data testing makes the RWC ideal for IT managers!

IT managers protect the health of *both* the cabling and network devices. If a problem exists and the cabling passes testing (opposite panel), the RWC has **NETWORK** tests to isolate the problem:

- ✔ **Single Sided and INLINE port tests** quickly check the ability of the hub, switch or PC to communicate.
- ✔ **The Real World Certification Level II tests** (see opposite panel) can exercise suspect hub, switch or PCs using **real data** from the devices themselves.
- ✔ **Manual includes instructions for using Ping and other software** that come with Windows® and Linux® PCs. Use to test links and devices on the network.

Single and INLINE port tests

Quickly display the advertised speed (10, 100 or Gigabit) and duplex of all your LAN devices.

Plus go **INLINE** between two LAN devices and display the *negotiated* speed.

INLINE MODE

The RWC 1000 includes a time-saving extra socket to simulate crossover cables.

Hot splits

While the RWC1000 is identifying the data from your hub, switch or PC it is also "shooting the cable", checking for opens, shorts and split pairs. Now you can do single sided tests without powering down devices or unplugging cables in crowded wiring closets.

Port Beacon

Perfect for locating a port, the Real World Certifier sends out a "beacon" illuminating the LINK light on a hub, switch or PC.

Using Windows® or Linux® for Pinging

Instructions for using built-in commands on your PC to test the software layer of the network are in the manual: **PING:** Check if a device is reachable. **IPCONFIG:** Dump configurations. **NET VIEW:** List names of network devices.