Hand-held and Portable Test Solutions
(T1, E1, T3, E3, Data communications Lines, Ethernet, IP)

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- **LinkTest™ Dual E1**
  Low-cost, battery operated, dual-port tester for E1 and data communications (V.11 / X.24, V.24/RS232, V.35, V.36/RS449, EIA-530, EIA-530A) interfaces

- **IPNetSim™ Handheld** — Ethernet, IP, WAN Network Emulator
  Battery operated, dual optical ports, dual electrical ports, supports 10/100/1000 Gbit/s.

- **PacketShark™** — GbE Packet Capture, Filter & Aggregation Tap
  Wirespeed filtering with zero loss and zero delay – Equipped with a unique Zero Delay technology that ensures every packet goes through without delay (even if power is lost)

- **Packetcheck™** — Software Ethernet Tester
  Comprehensive PC based Ethernet / IP test tool with BERT and Throughput testing abilities

- **PacketScan™** — SIP / H323 / Megaco / MGCP / RTP / RTCP / Video Analysis
  Extensive real-time reporting using graphical charts and statistics of live IP, VoIP, and IP based Video traffic

- **vHandi™**
  It is a compact portable hand-held FXO simulator (Foreign Exchange Office) that can simulate an analog phone.
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**LinkTest™ Dual E1 (LTS010)**

*LinkTest™ Dual E1* is a handheld dual port tester for E1 & data communications (V.11 / X.24, V.24/RS232, V.35, V.36/RS449, EIA-530, EIA-530A) interfaces. Port A is full featured 2048 kb/s interface. On the other hand, Port B usage is configurable (2048 kb/s TX/RX, co-directional, clock input). The LinkTest™ Dual E1 has an external DC input but it also has internal batteries. Test results can be saved in a memory stick or transferred to a PC. This makes this tester suitable for field testing applications.


**IPNetSim™ Handheld – Ethernet, IP, WAN Network Emulator (IPN701)**

*IPNetSim™ Handheld* is a hand-held battery operated instrument that can simulate the real-time IP and Carrier Ethernet network dynamics by means of hardware controlled packet delay, loss, jitter, errors, bandwidth limitations, congestion, and duplication. *IPNetSim™ Handheld* offers to manage network behaviors of up to 1 Gbps rates with accuracy always better than 1ms.

*IPNetSim™ Handheld* is equipped with hardware based impairments generator, and dual GbE ports.

PacketShark™ – GbE Packet Capture, Filter & Aggregation Tap (PKV201)

PacketShark™ is a portable product that can tap packet networks, capture Ethernet packets at wire speed, i.e., in optical or electrical interfaces up to 1 Gb/s and selectively filter the captured traffic based on specified criteria. Packets are transmitted through two ports and the packets that are traffic compliant with one of the filters is sent to a packet analyzer, such as PacketScan™ for detail packet analysis. Alternatively, the traffic can be even sent to a memory card (SD) and later analyzed offline.

Packetcheck™ – Software Ethernet Tester (ETH100)

PacketCheck™ is a PC based Ethernet test tool that is designed to check frame transport ability, and throughput parameters of Ethernet and IP networks.

It can be used as a general purpose Ethernet performance analysis for 10Mbps, 100Mbps and 1Gbps Ethernet local area networks. The PacketCheck™ makes use of the network interface card (NIC) in the PC to transmit and receive raw Ethernet packets over the network. Throughputs up to 500 Mbps can be easily tested.
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PacketScan™ – SIP / H323 / Megaco / MGCP / RTP / RTCP / Video Analysis (PKV100)

PacketScan™ is a real-time VoIP analyzer that captures live IP traffic, and segregates them into SIP/H323 calls and collects statistics about the calls. Applications include testing of IP phones, Gateways, IP Routers and Switches, and Proxies. Hundreds of calls can be monitored in real-time including detailed analysis of selected voice band streams.

For more info, http://www.gl.com/packetscan.html

vHandi™ (VQT290)

GL’s vHandi™ is a compact portable hand-held FXO simulator (Foreign Exchange Office) that can simulate an analog phone. The vHandi™ call and voice tests can be completely automated or manually performed. The vHandi™ can work with GL’s VQuad™, Voice Quality Test, and WebViewer™ applications to perform centralized voice quality measurements and analysis.

The FXO port on the vHandi™ connects to FXS port to perform call and traffic simulation. The vHandi™ is powered as well as managed via the USB connection. With an internal SD card, vHandi™ can be used as a mass storage device when plugged into the USB port of the PC.