GL’s new VQuad™ Probe is an all-in-one self-contained VQuad™ with Dual UTA test instrument designed for easier portability and convenient testing. This comprehensive hardware device incorporates all the features of the current VQuad™ with Dual UTA unit such as portability and remote accessibility along with the necessary PC interfaces (4 USB, 2 GigE, 32GB Hard drive, 2G Memory, VGA, Serial Port) with Windows® OS. The VQuad™ Probe is configured for control via Ethernet using Remote Desktop (thus not requiring the Keyboard/Mouse). Up to three additional Dual UTAs can be connected to the VQuad Probe, via USB, for a maximum capacity of 8 independent devices.

Additional accessibility is available using the optional portable Touchscreen Monitor (VQT274). When connected to the VQuad™ Probe via USB the user has mouse, keyboard and screen access to the VQuad Probe. For detailed information, refer to http://www.gl.com/vquad-probe.html.

**Portable Solution Interfacing with:**
- Any Communication Device (Mobile phones, Military/Mobile radio, Bluetooth®, WiMax, WiFi, Broadband 3G/4G, LTE, Smartphones -iPhone, Android, Blackberry).
- 2-Wire POTS (connect to PSTN, ATA, Media Gateway).
- SIP Call Agent (act as a SoftPhone and configure Proxy and Registrar).
- VoIP Ethernet (connect directly to any SoftPhone or any digital/VoIP hardware phone).
- T1/E1 (CAS and PRI ISDN protocols supported).

**Providing Analysis and Functionalities such as:**
- A single solution for up to 8 interfaces
- Automated Data Testing including TCP, UDP, VoIP, Route, HTTP, FTP, DNS and SMS statistics are available for Mobile devices (i.e., iPhone, Android) as well as the internet connection of the PC (wired, WiFi, Broadband (3G or 4G), LTE).
- Fully automated Video Conference testing with Audio and Video MOS QoS results
- Manual and Automated video quality testing for GLNetTest app installed mobile devices and Windows/ Linux based PCs
- Testing mobile end-to-end voice, data, and video quality measurement and analysis results
- Bluetooth® enabled Mobile phones performs VoLTE testing, RSSI, Battery level functions.
- Monitoring IVR System for voice and data quality
- Fax Testing using the Dual UTA 2-wire FXO or 4-wire analog interfaces. Supports up to 4 simultaneous T.30 faxes
- Voice Quality Testing using industry standard analysis methods (POLQA, PESQ, PAMS, PSQM)
- Automatic Round Trip Delay and One Way Delay Measurements
- Echo Measurements testing, supports both line and acoustic echo
- Supports Call Control for T1/E1 PRI ISDN, and CAS Protocols
Specifications

Physical Dimensions:
- Height: 3.0 in. (76.2 mm)
- Width: 8.275 in. (210.18 mm)
- Depth: 7.425 in. (188.59 mm)

Compliance:
- CE, FCC, TBR21 compliant

Frequency Range Compliance:
- FXO PCI card - 300-3400Hz
- Dual UTA FXO interface - 30-4000Hz
- Dual UTA Balanced, Mobile, PTT, Handset interfaces - 300-3500Hz
- Dual UTA Bluetooth interface - 200-4000Hz

Dual UTA Frequency Range:
- 4-wire, 8000 Samples - 100 Hz to 3500 Hz
- 4-wire, 16000 Samples - 100 Hz to 7000 Hz
- 2-wire, 8000 Samples - 100 Hz to 3500 Hz
- 2-wire, 16000 Samples - 100 Hz to 4000 Hz

Power Requirements:
- Input Voltage: +5VDC (derived from USB bus)
- Current load: 200mA

External Connections:
- USB 2.0: Type A USB Jack (Communication with PC and Power)
- 3.5mm In/Out Jacks (Balanced Audio - Side 1 & 2)
  - Input Impedance – 600ohms, 1000 ohms and User-Definable
  - Output Impedance - 600ohms, 1000 ohms and User-Definable
- RJ-11 Jacks (FXO - Side 1 & 2)
- RJ-22 Jacks (Handset/Handset Base - Side 1 & 2)
- 3.5mm (Monitor)
- Dual RJ-45 Stacked Jacks (GPS In/Out and PTT - Side 1 & 2)
  - PTT - Side 1 & 2 Input Impedance - 600ohms, 1000 ohms and User-Definable
  - PTT - Side 1 & 2 Output Impedance - 600ohms, 1000 ohms and User-Definable
- Bluetooth® Antennas - Side 1 & 2
- Ethernet (2 GBit) ports – LAN 1 & LAN 2
- Serial COM Port & Display VGA (Video Graphics Array) ports

Inbuilt PC Specifications:
- Windows® 7 OS
- 32GB Hard drive
- 2G Memory

Buyer’s Guide

VQT270 - VQuad™ Probe with Dual UTA
VQT241 – Dual Universal Telephony Adapter (UTA) w/ RTD & OWD
VQT010 - VQuad™ Software (Stand Alone)
VQT013 - VQuad™ with SIP (VoIP) Call Control
VQT015 - VQuad™ with T1 E1 Call Control

VQuad™ Miscellaneous

VQT601 - Mobile Device Controller (MDC) Software
VQT650 - VAC (includes VAC Server and VAC companion software)
VQT022 - VQuad™ Fax Emulation (2 simultaneous ports)
VQT022a - VQuad™ Fax Emulation (8 simultaneous ports)
VQT442 (cable) - Mobile Audio Interface for Smartphones
VQT443 (cable) - 3-wire headset interface Adaptor for Smartphones
VQT274 - VQuad™ Probe Touchscreen Monitor

VQT Analysis

VQT002 - Voice Quality Testing (PESQ only)
VQT004 - Voice Quality Testing (PAMS, PSQM, PESQ)
VQT006 - Voice Quality Testing (POLQA)
VBA032 - Near Real-time Voice-band Analyzer
EMU037 - Echo Measurement Utility (EMU) Software
VQT040 - Webviewer™