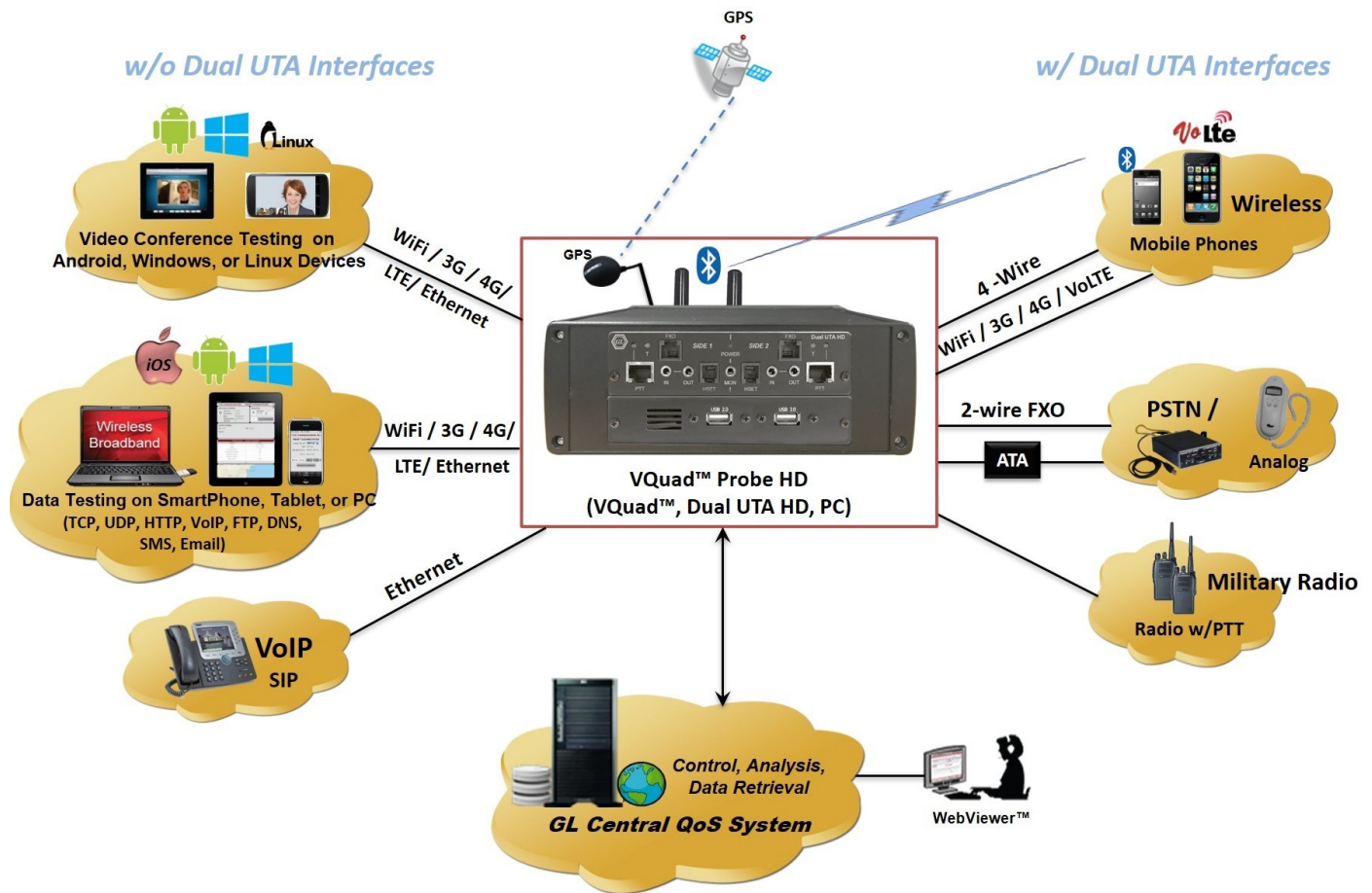


# VQuad™ Probe HD – Self-Contained Unit with VQuad™, Dual UTA HD, and PC



## Overview

GL's High Density VQuad™ Probe HD is an all-in-one self-contained VQuad™ with Dual UTA HD test instrument designed for easier portability and convenient testing. This comprehensive hardware device incorporates portability and remote accessibility features containing necessary PC interfaces (4 USB, 2 GigE, 128GB Hard drive, 8G Memory, 1.8GHz Quad Core Processor) with Windows® OS.

The VQuad™ Probe HD is configured for control via Ethernet using Remote Desktop (thus not requiring the Keyboard/Mouse). Up to six additional Dual UTA HD units can be connected to the VQuad™ Probe HD, via USB, for a maximum capacity of 12 independent devices. When connected to the VQuad™ Probe HD via USB the user has mouse, keyboard and screen access to the VQuad™ Probe HD.

For more details, refer to [VQuad™ Probe HD](#) webpage.



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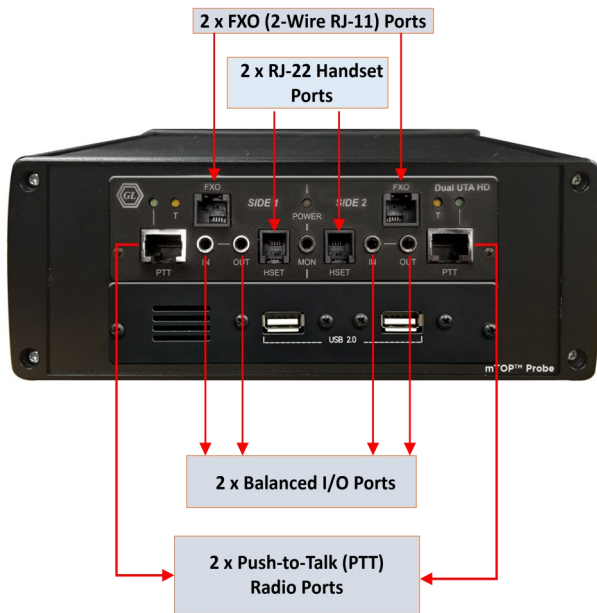
## **Portable Solution Interfacing with:**

- Any Communication Device (Mobile phones, Military/Mobile radio, Bluetooth®, WiMax, WiFi, Broadband 3G/4G, LTE, Smartphones - iPhone, Android, Blackberry)
- 2-Wire FXO, 4-Wire Analog 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 12 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
- Works in conjunction with VQT POLQA Auto™ application to analyze bulk voice files in mere minutes using POLQA v2 algorithm
- Manual and Automated data and video quality testing for GLNetTest app installed mobile devices and Windows/ Linux based PCs
- GL's NetTest VQT app, supported on rooted Android devices, supports both manual and automated testing of Voice Quality
- 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 HD 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)
- Automatic Round Trip Delay and One Way Delay Measurements
- Echo Measurements testing, supports both line and acoustic echo
- Supports Call Control for T1 or E1 PRI ISDN, and CAS Protocols
- Outward and Port-to-Port Loopback of 2-Wire and 4-Wire interfaces with or without delay
- Full support for VQuad™ CLI and API (both Windows® and Linux)

## Specifications



### Physical Dimensions:

- Height: 3.0 inches
- Width: 8.4 inches
- Length: 10.4 inches
- Weight: 4 lbs.

### Compliance:

- CE, FCC, TBR21 compliant

### Frequency Range Compliance:

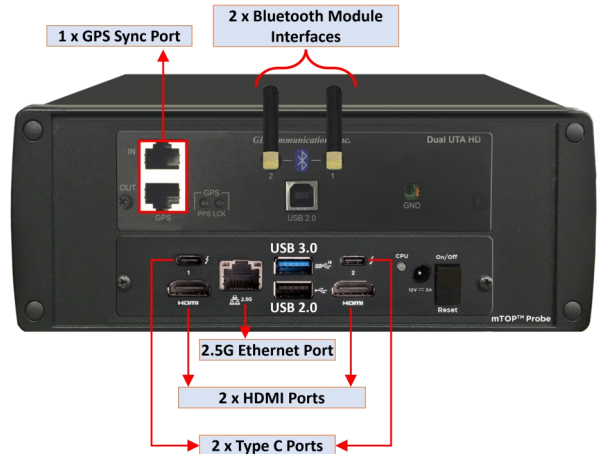
- FXO PCI card - 300-3400Hz
- Dual UTA HD FXO 2-Wire interface - 100-3500Hz
- Dual UTA HD FXO 2-Wire WB interface - 100-4000Hz
- Dual UTA HD Balanced, Mobile, PTT, Handset interfaces - 100-3500Hz
- Dual UTA HD Balanced, Mobile, PTT, Handset WB interfaces - 100-7000Hz
- Dual UTA HD Bluetooth interface - 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:

- 12V, 3Amps Power Supply



### External Connections:

- USB 2.0, USB 3.0: Type A USB Jack (Communication with PC and Power)
- 3.5mm In/Out Jacks (Balanced Audio - Side 1 and 2)
  - Input Impedance – 600ohms, 1000 ohms and User-Definable
  - Output Impedance - 600ohms, 1000 ohms and User-Definable
- RJ-11 Jacks (FXO - Side 1 and 2)
- RJ-22 Jacks (Handset/Handset Base - Side 1 and 2)
- 3.5mm Output Jack (Monitor)
- Dual RJ-45 Stacked Jacks (GPS In/Out and PTT - Side 1 and 2)
  - PTT - Side 1 and 2 Input Impedance - 600ohms, 1000 ohms and User-Definable
  - PTT - Side 1 and 2 Output Impedance - 600ohms, 1000 ohms and User-Definable
- Bluetooth® Antennas - Side 1 and 2
- GigaBit Ethernet port – LAN Connection

### Inbuilt PC Specifications:

- Intel Core i3 or optional i7 NUC Equivalent, Windows® 11 64-bit Pro operating system
- USB 2.0 and 3.0 Ports, Two USB Type C ports, 12v/ 3A Power Supply
- 2.5 GigE Ethernet Port, 256 GB Hard drive, 8G Memory (Min)
- Two HDMI ports

## Buyer's Guide

Item No	Product Description
<a href="#">VQT280</a>	VQuad™ Probe HD (with Dual UTA HD)
<a href="#">VQT010</a>	VQuad™ Software (Stand Alone)

Item No	Related Hardware
<a href="#">VQT270</a>	VQuad™ Probe (with Dual UTA)
VQT271	VQuad Probe without Dual UTA
VQT279	VQuad Probe Rackmount Kit
<a href="#">VQT251</a>	Dual UTA HD Next generation Dual UTA with FXO Wideband support

Item No	Related Software
<a href="#">VQT002</a>	Voice Quality Testing (PESQ only)
<a href="#">VQT006</a>	Voice Quality Testing (POLQA)
<a href="#">VQT014</a>	AutoVQT™
<a href="#">VQT014U</a>	Upgrade from VQT POLQA to AutoVQT™
<a href="#">VBA032</a>	Near Real-time Voice-band Analyzer
<a href="#">VQT013</a>	VQuad™ with SIP (VoIP) Call Control
<a href="#">EMU037</a>	Echo Measurement Utility (EMU) Software
<a href="#">VQT040</a>	Webviewer™
<a href="#">VQT022</a>	VQuad™ Fax Emulation (2 simultaneous ports)
<a href="#">VQT022a</a>	VQuad™ Fax Emulation (8 simultaneous ports)

For more information, refer [Benchmarking and Drive Testing Voice and Data Quality](#) webpage.

For more details, refer to [VQuad™ Probe HD](#) webpage.



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