

QXDM Professional™ Tool Quick Start

Overview

QXDM Professional provides a diagnostic client for rapid prototyping of new clients and protocol packets. It utilizes a graphical user interface to display data transmitted to and from the subscriber station.

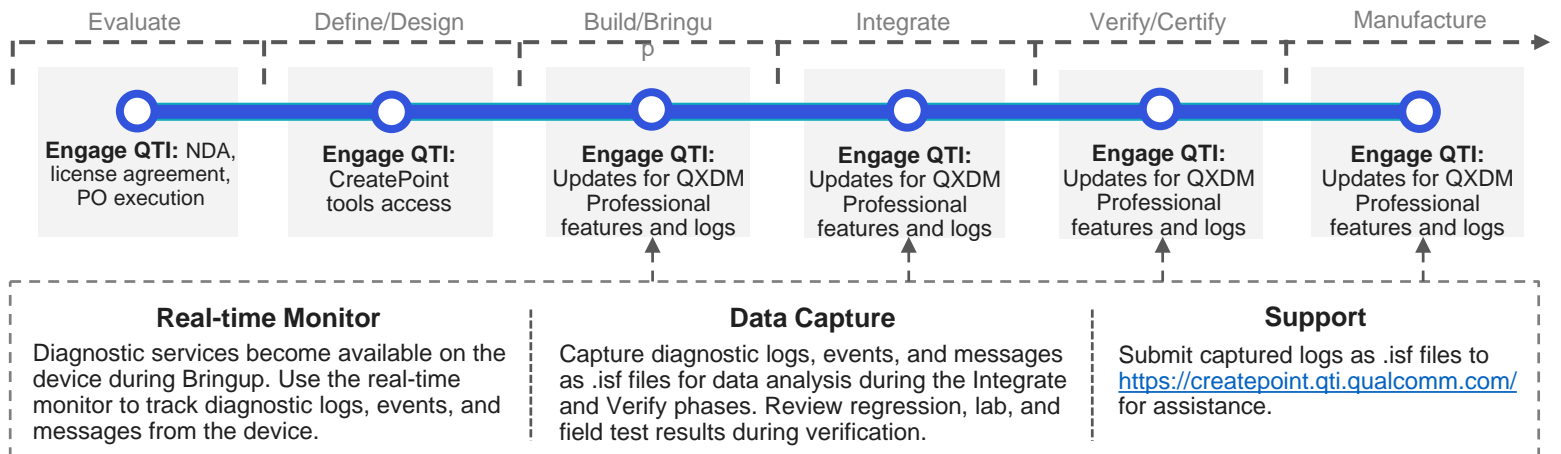
This customer guide summarizes how to acquire and use QXDM Professional through the following:

- Engagement model
- Tool utility
- Resources

The screenshot displays the QXDM Professional GUI. On the left is a tree view of protocol layers including LTE, CDMA IS-2000 Rev. E, USB, WLAN, TDSCDMA, IPA, Sensor Measurement, XO And PMIC Temperature, and Custom Displays. The 'LTE' layer is expanded to show 'Management Layer 1', which includes 'LTE Carrier Agg Summary', 'LTE_LTEED Scheduling Pattern', 'LTE ML1 Connected Mode RSRP RSRQ SINR Display', 'LTE DL Throughput Estimation', 'LTE ML1 DL Throughput and B', 'LTE ML1 PMCH Throughput an', 'LTE ML1 Real Time RSRP', 'LTE ML1 SCell State Change', 'LTE ML1 Serving Cell Measure', 'LTE ML1 Serving Cell Measure', 'LTE ML1 Sleep State', 'LTE ML1 TuneAway Graph', 'LTE ML1 UL Throughput and B', 'LTE ML1 Uplink HARQ Info', and 'LTE ML1 Uplink Tx Display'. A table window shows diagnostic data with columns for Name, Summary, SubID, Payload, and HW Time Stamp. A 'LTE ML1 Real Time RSRP' window displays a table with columns for Inst RSRP, Inst RSRQ, and Inst RSSI, and a corresponding line graph showing RSRP values over time from 20:09:10.000 to 20:09:30.000. The graph shows multiple data series for different frequencies and IDs, with values ranging from approximately -80 to -180 dBm.

For a quotation, contact salesops.testtools@qualcomm.com

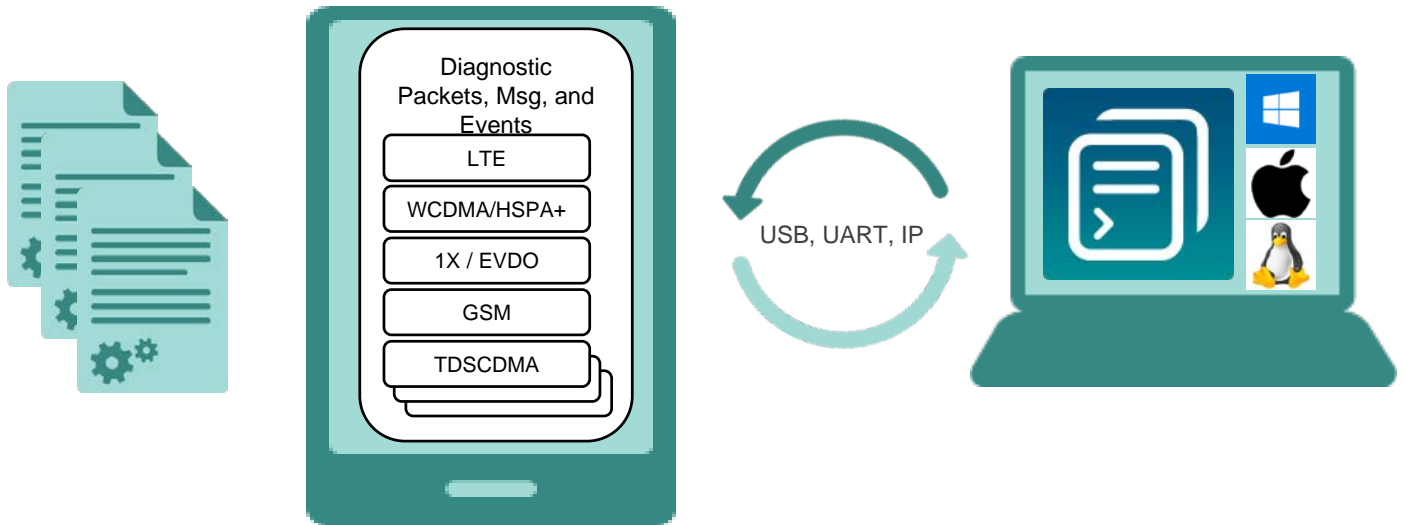
Engagement Model



QXDM Professional

Use QXDM Professional to capture and monitor proprietary diagnostic logs, messages, and events, such as:

- Hardware bringup
- Software integration
- Software debug and verification.



Interface control document

Specifies diagnostic packet structure and parameter descriptions.

QTI chipset and module

QXDM Professional supports all Qualcomm® devices with enabled diagnostic services.

Diagnostic connection

A Qualcomm USB driver required to establish the connection.

QXDM Professional

Captures and analyzes diagnostic packets defined in the interface control document.

Subscription-based License

Tools Licenses

- QXDM Professional license(s) can be subscribed annually
- QXDM Professional license subscription includes content updates and download access to
 - QXDM Professional
 - QCAT
 - QPST (for Windows only)
 - Qualcomm USB Driver
- Tool technologies and features are activated by providing license key(s) to Qualcomm Package Manager
 - Qualcomm Package Manager is included as a part of tool installer
- Tool technology licenses can be purchased individually, for example
 - QXDM 2-4G Yearly License Subscription
 - QXDM 2-5G Yearly License Subscription

Other Resources

Interface Control Documents (ICD)

To develop a customized desktop logging tool, ICD can be purchased and subscribed to at a premium price.

- QTI Tools Serial Interface Control Document for GSM, GPRS, and EGPRS (80-B5525-2)
- QTI Tools Serial Interface Control Document for WCDMA/HSPA+ (80-B5704-7)
- QTI Tools Serial Interface Control Document for LTE (80-VP457-2)
- QTI Tools Serial Interface Control Document for CDMA 1X and 1xEV (80-B1188-2)
- QTI Tools Serial Interface Control Document for TDSCDMA (80-N9184-3)
- QTI Tools Serial Interface Control Document for NR5G (80-PC674-2)

Contact

For a quotation, email salesops.testtools@qualcomm.com.
For technical assistance, submit a case at <https://createpoint.qti.qualcomm.com/>.

Contact Us

Visit us at <https://createpoint.qti.qualcomm.com>.
For questions or comments on this document, email: DocFeedback@qti.qualcomm.com.

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