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.
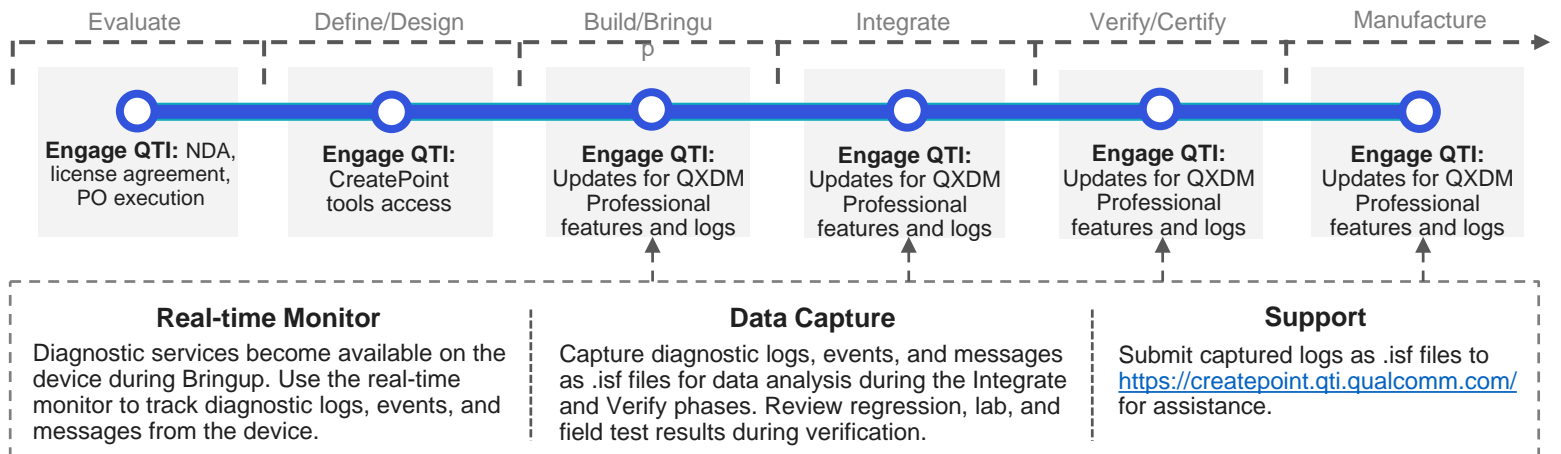
This customer guide summarizes how to acquire and use QXDM Professional through the following:
- Engagement model
- Tool utility
- Resources

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

Engagement Model

Evaluate	Define/Design	Build/Bringup	Integrate	Verify/Certify	Manufacture
Engage QTI: NDA, license agreement, PO execution	**Engage QTI:** CreatePoint tools access	**Engage QTI:** Updates for QXDM Professional features and logs	**Engage QTI:** Updates for QXDM Professional features and logs	**Engage QTI:** Updates for QXDM Professional features and logs	**Engage QTI:** Updates for QXDM Professional features and logs

Real-time Monitor

Diagnostic services become available on the device during Bringup. Use the real-time monitor to track diagnostic logs, events, and messages from the device.

Data Capture

Capture diagnostic logs, events, and messages as .isf files for data analysis during the Integrate and Verify phases. Review regression, lab, and field test results during verification.

Support

Submit captured logs as .isf files to https://createpoint.qti.qualcomm.com/ for assistance.
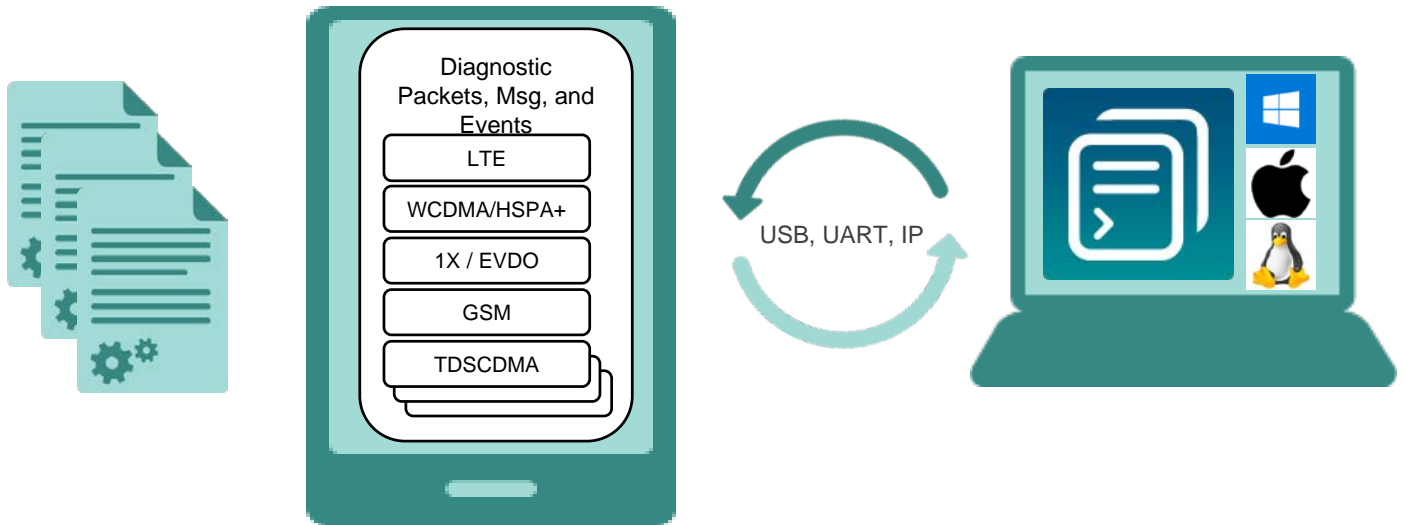
QXDM Professional

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

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

Diagnostic Packets, Msg, and Events
- LTE
- WCDMA/HSPA+
- 1X / EVDO
- GSM
- TDSCDMA

USB, UART, IP

Interface control document	QTI chipset and module	Diagnostic connection	QXDM Professional
Specifies diagnostic packet structure and parameter descriptions.	QXDM Professional supports all Qualcomm® devices with enabled diagnostic services.	A Qualcomm USB driver required to establish the connection.	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

Qualcomm Qualcomm Technologies, Inc.