

X8711A IoT Device Functional Test Solution

This configuration guide contains information to help you configure the X8711A IoT device functional test solution for *Bluetooth*[®] Low Energy (BLE) 4.2 signaling or WLAN b/g/n signaling tests or both.

This product carries a standard, return-to-factory warranty for one year.



X8711A Configuration

The X8711A IoT device functional test solution features the 34999A RF module in a 34972A data acquisition chassis.

Step 1. Start with 34972A LXI Data Acquisition Switch Unit

- X8711A-ATO 34972A DAQ - included in base configuration of X8711A

Step 2. Choose your RF module for your 34999A (must choose exactly one)

- X8711A-001 RF module For *Bluetooth* LE 4.2 signaling
- X8711A-002 RF module For WLAN b/g/n signaling
- X8711A-100 RF module For *Bluetooth* LE 4.2 and WLAN b/g/n signaling

Step 3. Add a TAP software license (must choose exactly one - defined by the license type and term on Table 1 below)

- KS8400A TAP Developer's System license (recommended)
- KS8000A TAP Deployment System license

Step 4. Add TAP-based measurement suite (must choose exactly one - defined by the license type and term on Table 1 below)

- KS83301A *Bluetooth* LE 4.2 Signaling measurement suite
- KS83302A WLAN b/g/n Signaling measurement suite

Step 5. Select power supply (optional)

- X8711A-DPS E36102B DC power supply

- essential or highly recommended
- optional, may be required for specific applications



KS83301A BLE 4.2 signaling measurement suite

KS83301A-1FP	Software Node-locked (single PC), perpetual
KS83301A-1TP	Software Transportable, perpetual
KS83301A-1NP	Software Floating (multiple PCs), perpetual
KS83301A-1FL	Software Node-locked (single PC), 12 months
KS83301A-1TL	Software Transportable, 12 months
KS83301A-1NL	Software Floating (multiple PCs), 12 months

KS83302A WLAN b/g/n signaling measurement suite

KS83302A-1FP	Software Node-locked (single PC), perpetual
KS83302A-1TP	Software Transportable, perpetual
KS83302A-1NP	Software Floating (multiple PCs), perpetual
KS83302A-1FL	Software Node-locked (single PC), 12 months
KS83302A-1TL	Software Transportable, 12 months
KS83302A-1NL	Software Floating (multiple PCs), 12 months

KS8400A TAP Developer's System and KS8000A TAP Deployment System**R-D5A-OC-LIC Perpetual licenses**

R-D5A-001-A	Node-locked license
R-D5A-002-B	Floating license
R-D5A-004-D	Transportable license

R-D4A-OC-TRM Time-based software license and support subscription-OC

R-D4A-001-L	12 months, node-locked license, software support subscription
R-D4A-002-L	12 months, floating license, software support subscription
R-D4A-004-L	12 months, transportable license, software support subscription

R-D6A-OC-SUP Software upgrades and support-OC

R-D6A-001-L	12 months, node-locked, software support subscription
R-D6A-002-L	12 months, floating, software support subscription
R-D6A-004-L	12 months, transportable, software support subscription

PC requirements for Test Automation Platform and Plug-ins

Recommended minimum PC configuration

- Microsoft Windows 7 SP1
- Microsoft Windows 10

Prerequisite drivers and software

- Keysight License Manager version 5.1
- Keysight IO Libraries Suite version 18.0 or above
- Keysight Test Automation Platform (TAP) Software version 8.3
 - KS8400A TAP Developer's System
 - KS8000A TAP Deployment System
- Keysight 34999A Utility software version 1.1 or above

Physical Connection, rear view



Shield box, PC, and RF cable are not included

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