QuickSpecs

Overview

Introduction

Wireless Wide Area Network (WWAN) is an optional feature sold separately or as an add-on feature on select HP notebooks, Ultrabooks and tablets

HP Mobile Broadband modules provide integrated WWAN technology such as LTE**, DC-HSPA+, HSPA+, HSDPA, HSUPA, WCDMA, GSM, GPRS, EDGE, CDMA, and GNSS connectivity over several radio frequency bands. (Select modules also supports 2G / 3G roaming). HP Mobile Broadband modules use this integrated WWAN technology to connect to wireless networks operated by mobile network operators in many countries worldwide. (Separately purchased mobile operator service required.)

** 4G LTE not available on all products or in all countries.

A WWAN connection requires wireless data service contract, network operator support, and is not available in all areas. Contact a service provider (e.g. Mobile Network Operator) to determine the coverage area and availability. Connection speeds will vary due to location, environment, network conditions, and other factors.

Selected HP Mobile Broadband Wireless notebooks support Wireless WAN (WWAN) as an after-market option if ordered as a Wireless WAN (WWAN) ready configuration option. This provides customers the opportunity of adding Wireless WAN (WWAN) as an after-market option providing cost-efficient solution of adding WWAN post purchase.

By offering customers this WWAN ready configuration option; HP can offer customers and integrated wireless wide area network (WWAN) option by way of after-market option kit.

If the notebook is ordered with a WWAN Ready Configuration the HP production process allows for the customers to order a notebook without a HP Broadband module but receive a system that has:

- WWAN antennae built into assembly
- Supports aftermarket WWAN option (user accessible / upgradeable)
- Subscriber identity module (SIM) user-accessible

Select HP Mobile Broadband Wireless notebooks support Wireless Wide Area Network (WWAN) only if ordered from the factory (Select systems are not WWAN upgradeable post purchase)

HP Mobile Broadband Modules

Models

HP XMM™ 7360 LTE-Advance WWAN   3FB01AA

Key Benefits

- With an HP Mobile Broadband-enabled notebook and wireless carrier service, you can check e-mail, browse the Internet, and connect to corporate networks from anywhere within your mobile operators coverage area, whether you are stationary or on the go. Enjoy the freedom of connecting in more places, the speed of broadband, the coverage of 3G or 4G networks, and the security, reliability, and ease of use of HP Business Notebooks that are Mobile Broadband enabled today!
- Your HP WWAN Notebook comes preinstalled with HP Connection that enables the user to use this this generic connection manager with any SIM card from any mobile operator to set up this WWAN connection.
- Convenience of having mobile wireless connectivity already set up as soon as you get your notebook, less obtrusive than a USB 3G or 4G notebook stick.
- Enhance security by avoiding connections at hotels, airports, and hotspots with built-in support for VPN applications
- Integrated 3G and / or 4G WWAN technology from Intel, Ericsson or Qualcomm enables high-speed Internet access via HP Mobile Broadband modules.
- HP Mobile Broadband Modules allow international roaming in many countries** through support for multiple LTE /UMTS/HSPA /CDMA frequency bands and five GPRS/EDGE bands commonly used worldwide. (support varies by card, see table below)

Overview

- Integrated GPS can help you accurately identify your location around the world and permit personal navigation to guide you where you need to go.***

** Broadband connection requires a separately purchased wireless data service contract, mobile network service and support is not available in all areas. Contact service provider to determine the coverage area and availability. Connection speeds will vary due to location, environment, network conditions, and other factors. 4G LTE not available on all products or in all countries.

*** GPS access requires an unobstructed path to multiple satellites. Performance may be affected if / when used inside of buildings, bridges or heavily congested metropolitan areas. Requires separately purchased GPS navigation software available from multiple third party GPS application vendor.

Not all configuration components are available in all regions/countries.
c04123334 — DA 13580 — Worldwide — Version 36 — January 19, 2021

Page 2

QuickSpecs

Overview

Compatibility

Broadband card	Compatible notebook platform
HP XMM™ 7360 LTE-Advance WWAN	HP ZBook 17 G5, ZBook 15 G5, ZBook 15u G5, ZBook 14u G5, ZBook x360 G5
	HP EliteBook 850 G5, 840 G5, 840 G5 Healthcare Edition, 840r G4, 830 G5
	HP EliteBook 755 G5, 745 G5, 725 G5
	HP ProBook 650 G4, 645 G4, 640 G4
	Factory-configurable options for additional select HP notebooks. Please see the QuickSpecs for your notebook for additional compatibility information.
	NOTE: Works with Windows 10 only

NOTE: Not all models are available in all regions.

HP Mobile Broadband Modules and After Market Operator Compatibility

Product Part Number	Product Description	Operator Compatibility					Operating System Support		
		Verizon	Sprint	AT&T	T-Mobile	Generic GSM (SIM)	W7 support	W8.X support	W10 Support
3FB01AA	HP XMM™ 7360 LTE-Advance WWAN	X		X					X

* Win 8 Support only, no Win 8.1 support

Service and Support

Each HP Mobile Broadband Module has a one-year limited warranty or the warranty remaining for the HP product in which it is installed. Technical support is available seven days a week, 24 hours a day, as well as in online support forums. Certain restrictions and exclusions apply.

QuickSpecs

Technical Specifications

HP XMM™ 7360 LTE-Advance WWAN

Technology/Operating bands	LTE: 2100 (Band 1), 1900 (Band 2), 1800 (Band 3), 1700/2100 (Band 4), 850 (Band 5), 2600 (Band 7), 900 (Band 8), 700 (Band 12 lower), 700 (Band 13 upper), 700 (Band 17 lower), 800 (Band 20), 700 (Band 28). HSPA+: 2100 (Band 1), 1900 (Band 2), 1700/2100 (Band 4), 850 (Band 5), 900 (Band 8) MHz
Wireless protocol standards	3GPP Release 10 LTE Specification CAT.4, 20MHz BW WCDMA R99, 3GPP Release 5, 6, 7 and 8 UMTS Specification 1xEVDO Release 0, A and B. E-GPRS: Class B, Multi-slot class 12, coding schemes CS1 - CS4 and MSC1 - MSC9
GPS	Standalone, A-GPS (MS-A, MS-B and XTRA)
GPS bands	1575.42 MHz ± 1.023 MHz, GLONASS 1596-1607MHz
Maximum data rates	LTE: 150 Mbps (Download), 50 Mbps (Upload) DC-HSPA+: 42 Mbps (Download), 5.76 Mbps (Upload) HSPA+: 21Mbps (Download), 5.76 Mbps (Upload) CDMA 1xRTT: 153.6 kbps (Download), 153.6 kbps (Upload) EVDO Rel.A: 3.1 Mbps (Download), 1.8 Mbps (Upload) EVDO Rel.B: 14.7 Mbps (Download), 5.4Mbps (Upload) EDGE: 236.8 kbps (Download), 236.8 kbps (Upload) GPRS: 85.6 kbps(Download), 85.6 kbps (Upload)
Maximum output power	LTE: 23 dBm HSPA+: 23.5 dBm 1xRTT/EVDO: 24dBm E-GPRS 1900/1800: 26 dBm E-GPRS 900/850: 27 dBm GPRS 1900/1800: 29.5 dBm GPRS 900/850: 32.5 dBm
Maximum power consumption	LTE: 1,200 mA (peak); 900 mA (average) HSPA+: 1,100 mA (peak); 800 mA (average) 1xRTT/EVDO: 1,000 mA (peak); 700 mA (average) E-GPRS: 2,800 mA (peak); 500 mA (average)
Form Factor	M.2, 3042-S3 Key B
Weight	6.2 g
Dimensions (Length x Width x Thickness)	1.65 x 1.18 x .09 in (42 x 30 x 2.3 mm)

* Mobile Broadband is an optional feature. Connection requires wireless data service contract, network support, and is not available in all areas. Contact service provider to determine the coverage area and availability. Connection speeds will vary due to location, environment, network conditions, and other factors. 4G LTE not available on all products or in all countries.

Not all configuration components are available in all regions/countries.

c04123334 — DA 13580 — Worldwide — Version 36 — January 19, 2021

Page 4

Technical Specifications

Date of change:	Version History:		Description of change:
	V1 to V2		Added to be able to use the convert tool
July 4, 2014	V20 to V21		Added three new WWAN Modules
July 8, 2014	V21 to V22	Changed	WWAN part numbers, descriptions
May 24, 2015	V22 to V23	Added	HP lt4111b LTE/EV-DO/HSPA+ WWAN M0U02AA
June 10, 2015	V23 to V24	Added	HP lt4120 LTE/EV-DO/HSPA+ WWAN
July 27, 2015	V24 to V25	Updated	Removed 600 Series from HP lt4120 LTE/EV-DO/HSPA+ WWAN page 4 Added Windows 10 page 5
August 25, 2015	V25 to V26	Added	HP lt4112 LTE/HSPA+W10 WWAN T0E33AA HP hs3110 HSPA+W10 WWAN T0E35AA HP lt4211 LTE/EV-DO/HSPA+W10 WWAN T0E34UT
September 3, 2015	V26 to V27	Updated	HP lt4211 LTE/EV-DO/HSPA+W10 WWAN From T0E34UT to T0E34AA
		Removed	Removing already Discontinued products QC431AA, WD301AA, H6F23AA, H4J87AA
September 17, 2015	V27 to V28	Updated	Updated compatibility for the HP lt4120 LTE/EV-DO/HSPA+ WWAN
November 19, 2015	V28 to V29	Added	Only compatible with HP EliteBook 850 G3 with HD and FHD panels. Note to HP lt4120 LTE/EV-DO/HSPA+ WWAN
February 29, 2016	V29 to V30	Updated	Updated compatibility for HP lt4120 LTE/EV-DO/HSPA+ WWAN HP hs3110 HSPA+W10 WWAN HP lt4211 LTE/EV-DO/HSPA+W10 WWAN
December 16, 2016	V30 to V31	Added	HP lt4132 LTE/HSPA+ 4G WWAN, 1HC91AA & HP hs3210 HSPA+ Mobile Module, 1HC90AA were added their tech specs and compatibilities as well
June 21, 2017	V31 to V32	Updated	N8T16AA Sprint compatibility removed
November 1, 2017	V32 to V33	Updated	Added HP XMM™ 7360 LTE WWAN; removed HP HS2350 HSPA+ (H4X00AA), HP hs3110 HSPA+ W8.1 WWAN (J8F05AA), HP lt4211 LTE/EV-DO/HSPA+ WWAN (J8F06AA), HP lt4112 LTE/HSPA+ W8.1 WWAN (J8F07AA), HP lt4111b LTE/EV-DO/HSPA+ WWAN (M0U02AA)
November 16, 2017	V33 to V34	Update	Product names updated
January 24, 2019	V34 to V35	Update	HP lt4132 LTE/HSPA+ 4G WWAN G2 added
January 19, 2021	V35 to V36	Update	All modules removed but HP XMM™ 7360 LTE-Advance WWAN