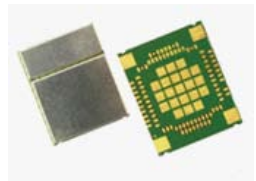
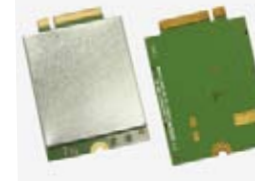
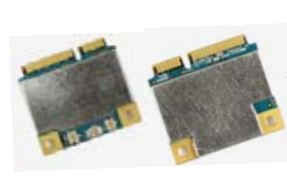


4G LTE Module

Image			
Modem Technology	LTE Cat 3 or LTE Cat4 & UMTS or CDMA	LTE Cat 3 or LTE Cat4 & UMTS or CDMA	LTE Cat 3 or LTE Cat4 & UMTS or CDMA
External I/F	LGA (Land Grid Array)	NGFF	Mini PCI-Express
Size	37 x 29.8 x 2.2 (mm)	30 x 42 x 2.3 (mm)	(Half) 30 x 26.8 x 3.9 (mm) (Full) 51 x 30 x 3.9 (mm)
Weight	Approx. 6 g	Approx. 6 g	(Half) Approx. 6.5g (Full) Approx. 8.5g
Antenna connector	Solder on board	Three IPEX MHF4	Three U.FL
Power Requirement	3.2V - 4.2V	3.3V (+/- 5%)	3.3V (+/- 9%)
Temperature condition	Operating: -40°C to +85°C	Operating: -20°C to +75°C	Operating: -40°C to +85°C
Approvals	TELEC/JATE for Japan CE/GCF for Europe	TELEC/JATE for Japan CE/GCF for Europe	TELEC/JATE for Japan CE/GCF for Europe
GPS+GLONASS	Qualcomm gpsOne Gen8 GNSS System		
Chipset	Qualcomm MDM9X15 for LTE Cat 3	Qualcomm MDM9X25 for LTE Cat 4 / CA	
	Qualcomm MDM9X30 for LTE Cat 6 / CA		
Peak Data Rates DL/UL	LTE FDD 100 / 50 Mbps for LTE Cat3	LTE FDD 150 / 50 Mbps for LTE Cat4	
	LTE FDD 300 / 100 Mbps for LTE Cat6		
	DO 14.7 / 5.4 Mbps	DC-HSPA+ 42 / 11 Mbps	

Features

ASKEY 4G LTE Modules are designed to meet the automotive and industrial high requirements and manufactured according to ISO9001/TS16949 quality standards.

Broadband Access

Wireless Networking

Set-Top-Box

Mobile Computer

Smart Grid

Automotive Electronics

KEY FEATURES

Mini PCI express				
ASKEY M/N	WLCHQ10	WLWHQ10	WLWHQ30	WLCHQ20
Certified	Japan KDDI	Japan NTT DOCOMO	Europe / Australia	US Verizon
LTE Frequency Band	1500MHz (B11) 850MHz(B18)	2100MHz(B1) 800MHz(B19) 1500MHz(B21)	2100MHz(B1) 1800MHz(B3) 2600MHz(B7) 900MHz(B8) 700MHz(B28)	1700MHz(B4) 700MHz(B13)
3G Frequency Band	850MHz(BC0) 2100MHz(BC6)	2100MHz(B1) 850MHz(B5) 800MHz(B6) 800MHz(B19)	2100MHz(B1) 1800MHz(B3) 850MHz(B5) 900MHz(B8)	1900MHz(BC1) 850MHz(BC0)

LGA				
ASKEY M/N	WLCLQ10	WLSLQ10	WLCLQ20	WLCLQ30
Certified	Japan KDDI	Japan Softbank	Japan KDDI	US Verizon
LTE Frequency Band	1500MHz(B11) 850MHz(B18)	2100MHz(FDD B1) 900MHz(FDD B8) 2500MHz(TDD B41)	1500MHz(B11) 800MHz(B18)	1700MHz(B4) 700MHz(B13)
3G Frequency Band	850MHz(BC0) 2100MHz(BC6)	2100MHz(B1) 900MHz(B8)	N/A	N/A

NGFF			
ASKEY M/N	WLCNQ10	WLWNQ10	WLWNQ20
Certified	Japan KDDI	Japan NTT DOCOMO	Japan NTT DOCOMO
LTE Frequency Band	1500MHz(B11) 850MHz(B18)	2100MHz(B1) 800MHz(B19) 1500MHz(B21)	2100MHz(B1) 1800MHz(B3) 800MHz(B19) 1500MHz(B21)
3G Frequency Band	850MHz(BC0) 2100MHz(BC6)	2100MHz(B1) 850MHz(B5) 800MHz(B6) 800MHz(B19)	2100MHz(B1) 850MHz(B5) 800MHz(B6) 800MHz(B19)

- The LTE can be used with many frequency bands in different countries per carrier's service area.
- Please make sure the carrier's service area before sending request.
- For more information, please contact us.



10F, NO.119, JIANKANG RD.,
ZHONGHE DIST., NEW TAIPEI CITY 23585,
TAIWAN, R.O.C.
TEL. +886-2-2228-7588 FAX. +886-2-3234-9211
Web site: www.askey.com.tw
E-mail: sales@askey.com.tw

- More are available upon request. Please contact with Sales for more information.
- Askey is a registered trademark of Askey Computer Corporation.
- All other brands are trademarks of their respective owners.
- All of the specifications, features and pictures are subject to change without notice.