

5G Module Roadmap



		SDX55	SDX62	SDX65	SDX72/75	SDX35	ASR1903
Sub 6GHz+mmW				 SIM8380G-M2 • M.2 • 30*52*2.3mm • Global • 4+2 Antenna	 SIM8390X • LGA • 46*53 mm • Rel.17		
Sub 6GHz	Sub 6GHz (41.0*43.6mm, LGA)	 SIM8200G • LGA • 41*43.6 mm • Rel-15	 SIM8260X • LGA • 41*43.6mm • Rel.16 • -A/-C/-E	 SIM8380E • LGA • 41*43.6mm • Rel-16	 SIM8270X • LGA • 46*53 mm • Rel.17	 SIM8230X • LCC+LGA • 30*30 mm • RedCap	 A8230X • LCC+GA • 30*30 mm • RedCap
	Sub 6GHz (30.0*52.0mm, M.2)		 SIM8260C-M2 • M.2 • Rel.16 • China  SIM8260G-M2 • M.2 • Rel-16 • Global			 SIM8230X-PCIE • mini-PCIE • 30*42 mm • RedCap	 A8230X-PCIE • mini-PCIE • 50.8*31 mm • RedCap
	Sub 6GHz (30.0*42.0mm, M.2)	 SIM8202X-M2 • M.2 • -E/-G • Rel-15	 SIM8262X-M2 • M.2 • Rel.16 • -A/-E			 SIM8230X-M2 • M.2 • 30*42 mm • RedCap	 A8230X-M2 • M.2 • 42*31.4 mm • RedCap

Mass Production

In development

LTE-A Module Roadmap



Cat 12



SIM7912X

- LTE Cat 12
- 600M DL/150M UL
- LGA Form Factor
- -E/-A



SIM7912X-M2 R2

- LTE Cat 12
- 600M DL/150M UL
- M.2 Interface
- -E/-A/-G

Cat 6



SIM7906X

- LTE Cat 6
- 300M DL/50M UL
- LGA Form Factor
- -E/-A



SIM7906X-M2 R2

- LTE Cat 6
- 300M DL/50M UL
- M.2 Interface
- -E/-A/-G

Note : Special variants for CBRS/LAA/4x4 MIMO

SDX12



A7908X

- LTE Cat 6
- 300M DL/50M UL
- LGA Form Factor
- -E/-SA



A7908X – M2

- LTE Cat 6
- 300M DL/ 50M UL
- M.2 Interface
- -E/-SA

A1828

Mass Production

In development

LTE Module Roadmap



30x30 Family

24x24 Family

Small size Package

Other Series

Cat 4

**SIM7600CE/SIM7600
X-H Series**



30x30mm
-E/-NA/
JC/-SA/-G



A7608SA-H
30x30mm
South America
Taiwan



A7602E-H
30x30mm
EMEA
Oceania



A7606E-H Series
• 30x30mm
• -E

Cat 1

SIM7600X Series



30x30mm
-E/-SA/-NA/-G



A7602E
30*30mm
-E



SIM7672X
• 24x24mm
• -E/-NA/-
JP-G



A7672X Series
• 24x24mm
• -E/-SA/-S/-G
• BT5.0/GNSS
(optional)



A7676E
• 24*24mm
• LTE450
• -E



A7671X Series
• 24x24mm
• -E/-SA/-S/-G
• GNSS (optional)



A7682E
• 19.6*19.6mm
• -E
• Compatible with
SIM800C



A7663E
• 19.6*19.6mm
• EMEA
• GNSS
• Compatible with
SIM800C



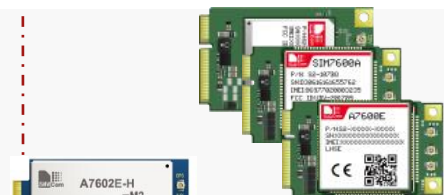
A7683E
• 15.7*17.6mm
• -E
• Compatible with
SIM800C



A7681E
• 15.7*17.6mm
• -E
• Compatible with
SIM800C



SIM7500X Series
24x27mm
-A+/-V/-E/-JC/-JE



mPCIe card available

A7602E-H-M2

• 30x42mm
• -E

- A7602X-H Series
- A7608X-H Series
- A7602X Series
- SIM7500X Series
- SIM7600X Series
- SIM7600X-H Series

Mass Production

LPWA Module Roadmap

CAT-M /NB-IoT/2G &GNSS



SIM7000X

- LCC
- 24*24*2.6mm
- CAT-M/NB-IoT/2G
- -A/-E/-JC/-G



SIM7070X

- LCC
- 24*24*2.3mm
- CAT-M/NB-IoT/2G
- -G/-E(LTE450)



SIM7080G

- LCC+LGA
- 17.6*15.7*2.4mm
- CAT-M/NB-IoT



SIM7090G

- LGA
- 14.8*12.8*2.0mm
- CAT-M/NB-IoT



SIM7075G

- LGA, 102PIN
- 23.6*19.9*2.2mm
- CAT-M/NB-IoT/2G



25Q1 MP

SIM7070G-HP-S

- 24.0*24.0mm
- CAT-M/NB2/EGPRS
- Embedded GNSS
- Iot-NTN



SIM7082G

- 17.6*15.7mm
- CAT-M/NB2
- Soft-GNSS
- iSIM
- Global Version

25Q4MP

NB-IoT



SIM7022

- LCC
- 17.6*15.7*2.3mm
- NB-IoT



Y7028

- 17.6* 15.7* 2.3mm
- NB-IoT



Y7080E-L

- 17.6* 15.7* 2.3mm
- NB-IoT Only



SIM7022-S

- 17.6*15.7mm
- NB-IoT only
- Iot-NTN

25Q4 MP

NB-IoT &GNSS



Y7080E

- 17.6* 15.7* 2.3mm
- NB-IoT+GNSS



25Q3 MP

E7080E(L)

- LCC+LGA 77PIN
- 17.6* 15.7* 2.3mm
- NB-IoT+ GNSS

NB-IoT &2G



R7072

- 24.0x24.0mm
- NB-IoT +2G



R7082

- 24.0x24.0mm
- NB-IoT +2G

NB-IoT &BLE



E7025 R3(L)

- 17.6*15.7mm
- NB-IoT only
- BLE 5.1

Mass Production

In development

LTE450 Module Roadmap

**LTE
CAT-1/CAT-1 bis/2G
&GNSS* (option)**



A7676E

- LCC+LGA
- 24*24*2.4mm
- CAT-1/2G

Q2.25



SIM7600DM

- LCC+LGA
- 30*30*2.5mm
- 2G/CAT-1/CAT-M/450Mhz

**CAT-M
/NB-IoT/2G* (option)
&GNSS**



SIM7070E

- LCC
- 24*24*2.3mm
- CAT-M/NB-IoT/2G*/GNSS

Mass Production

Automotive Module Roadmap

**5G+C-V2X
+
AP**



SIM8800CE/CE-S/CE-SP/E

- LGA
- 54.5*53.0*3.45 mm
- SA515M



SIM8150

- LGA
- 33.5*33.0*3.3 mm
- SA2150P



SIM7800CE/

- LGA
- 34*40*3.3mm
- MDM9628



SIM7805CE/E

- LGA
- 33*37.5*3mm
- MDM9628



A7805C/E

- LGA
- 33*37.5*3mm
- ASR1806E-I

Q1.25



SIM8810

- LGA
- 54.5*53.0*3.45 mm
- SA522M

Q4.24



SIM7805SA

- LGA
- 33*37.5*3mm
- MDM9628

Q3.25



A8805x

- LGA
 - 33*37.5 mm
 - ASR1903E
- Automotive Redcap module

Q1.25



A7805SA

- LGA
- 33*37.5*3mm
- ASR1806E-I

Mass Production

In development

In Plan

Smart Module Roadmap - With Cellular



High



SIM8970X

- 44.1*45.6*2.8mm
- LCC+LGA Package
- LTE Cat.6,300M DL/50M UL
- CPU **QCM6125**, Octa ARM V-8 cores up to 2.0GHz
- 2520*1080 Dual display
- Camera 25MP
- Wi-Fi/BT/GNSS integrated
- **Android 10/11/13**
- EU/SA/NA

24Q4 MP



SIM9650L

- LGA
- 42,5*56.5*3.0mm
- QCS6490
- **AI 14 TOPS**
- Octa-Core 2.7GHz(1×A78 2.7GHz +3×A78 2.4GHz+ 4×A55 1.9GHz)
- WIFI 6E/BLE/GNSS
- **Android 14**

Medium



SIM8950X

- 44.1x45.6x2.8mm
- LCC+LGA Package
- LTE Cat.4,150M DL/50M UL
- CPU **SDM450** Octa-Core A53 1.8GHz 64bit
- Display 4K@30fps
- Dual Display support
- Camera 24MP 13MP+13MP
- Wi-Fi/BT/GNSS integrated
- **Android 8/9/10**
- EC/AC



SIM8918X

- 40.5x40.5x2.8mm
- LCC+LGA Package
- LTE Cat.4,150M DL/50M UL
- CPU **QCM2290** 4xA53 2.0GHz
- 1680*720 HD+ Display
- Camera 13MP
- Wi-Fi/BT/GNSS integrated
- **Android 11/12/13/Linux**
- CE/EA/SA/NA/JP



SIM8965

- 40.5*40.5*3.0mm
- LCC+LGA Package
- LTE Cat.4,150M DL/50M UL
- CPU **SM6125**, Octa ARM V-8 cores up to 2.0GHz
- 2520*1080 Dual display
- Camera 25MP
- Wi-Fi/BT/GNSS integrated
- **Android 14/15**
- GL/W

Entry



SIM8905X

- 40.5x40.5x2.8mm
- LCC+LGA Package
- LTE Cat.4,150M DL/50M UL
- CPU **MDM8909** 4xA7 1.1GHz
- 720P HD Display
- Camera 8MP
- Wi-Fi/BT/GNSS integrated
- **Linux 3.18 and 4.9**
- E/A R2



SIM8500X

- 40.5*40.5*2.8mm
- LCC+LGA Package
- LTE Cat.4,150M DL/50M UL
- CPU **SL8541** Quad-Core A53@1.4GHz
- 1440*720@60fps Display
- Camera 13MP
- WIFI/BT4.2/GNSS
- Android 10
- CE/EA

Mass Production

In development

Smart Module Roadmap - Without Cellular



High



SIM8070

- 44.1*45.6*2.8mm
- LCC+LGA Package
- CPU QCM6125 ,Octa ARM V-8 cores up to 2.0GHz
- 2520*1080 Dual display
- Camera 25MP
- WIFI/BT

Medium



SIM8950LH

- LCC+LGA 44.1*45.6*2.8mm
- SDM450
- Octa-Core 1.8GHz
- Dual Display、Dual Cameras
- WIFI/BT



SIM8918W

- LCC+LGA 40.5*40.5*2.8mm
- QCM2290
- Quad-Core 2.0GHz
- 1 Display、3 Cameras
- WIFI/BT

Entry



SIM8905E-W

- LCC+LGA 40.5*40.5*2.8mm
- MSM8909
- Quad-Core 1.1GHz
- 1 Display、Dual Cameras
- WIFI/BT

Mass Production

GNSS Module Roadmap

Multi Frequency



SIM68D

- 16*12.20*2.4mm
- LNA/SAW Inside
- Beidou/GPS/GLONASS/Galileo/QZSS
- L1+L5



SIM68AT

- 16*12.20*2.4mm
- LNA/SAW Inside
- Beidou/GPS/GLONASS/Galileo/QZSS
- L1+L5: RTK



SIM68AD

- 16*12.20*2.4mm
- LNA/SAW Inside
- Beidou/GPS/GLONASS/Galileo/QZSS
- L1+L5: DR



SIM66D

- 16*12.20*2.4mm
- LNA/SAW Inside
- Beidou/GPS/GLONASS/Galileo/QZSS
- L1+L5: RTK*



SIM68MD

- 10.1*9.7*2.5mm
- SAW Inside
- Beidou/GPS/GLONASS/Galileo/QZSS
- L1+L5



SIM66MD

- 10.1*9.7*2.5mm
- LNA/SAW Inside
- Beidou/GPS/GLONASS/Galileo/QZSS
- L1+L5: RTK*

Multi Mode Single Band



SIM68M

- 10.1* 9.7* 2.5mm
- LNA/SAW Inside
- Beidou/GLONASS



SIM65M

- 10.1* 9.7* 2.5mm
- LNA/SAW Inside
- Beidou/GPS/GLONASS/Galileo/QZSS



SIM65M-C

- 10.1* 9.7* 2.5mm
- LNA/SAW Inside
- Beidou/GPS/GLONASS/Galileo/QZSS



SIM33 Series (Embedded Antenna)

SIM33ELA/SIM33EAU



SIM32ELA (Embedded antenna)

- 14* 9.6* 2.15mm
- LNA/SAW Inside
- Beidou/GPS/GLONASS/Galileo/QZSS

Mass Production