

SIMCom

Product Roadmap (2020. 3)

World-leading supplier of M2M modules and solutions

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智能表计

智能车载

公网对讲

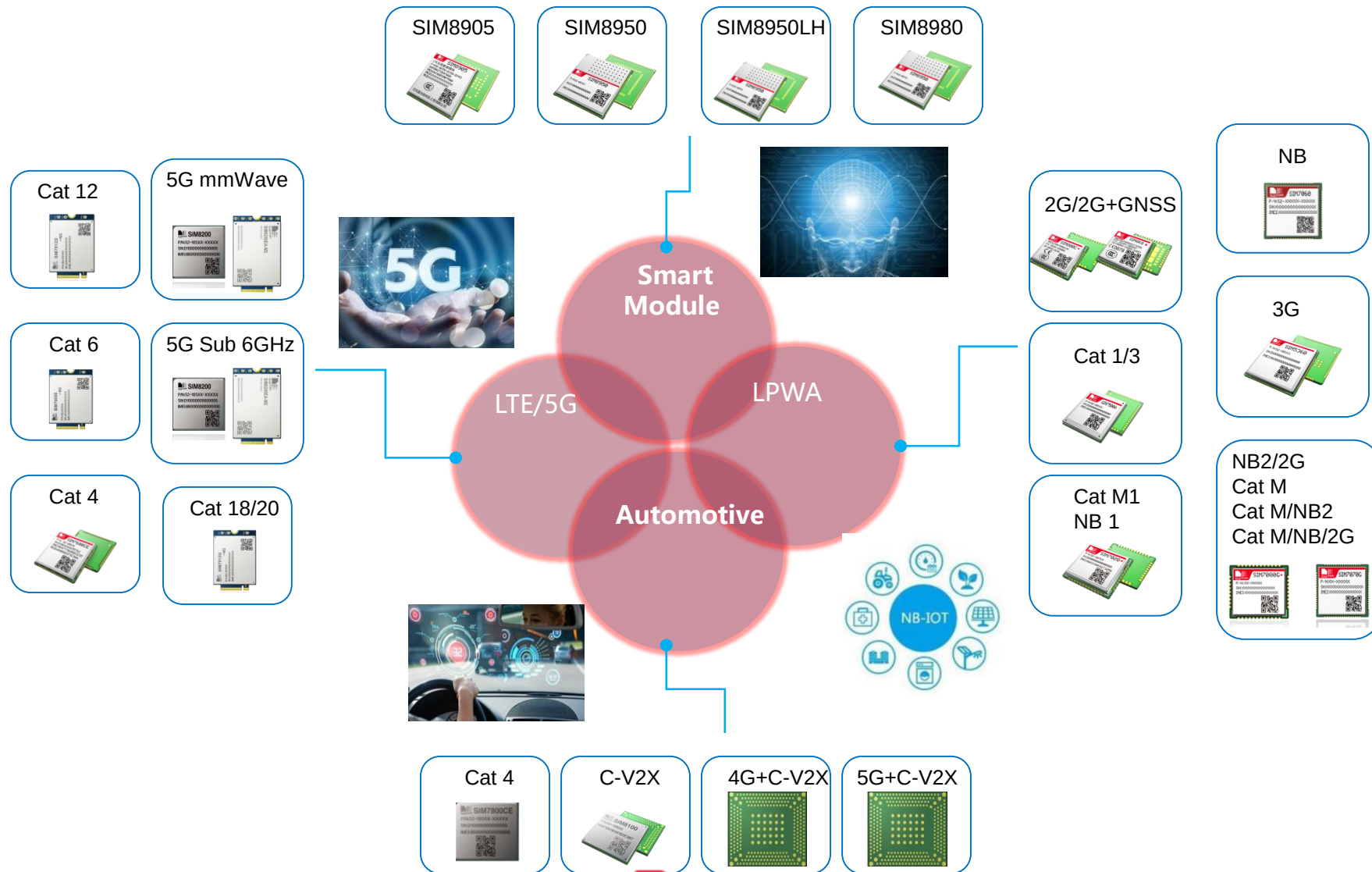
智能安防

智能生活

智能支付

医疗健康

Four Product Categories



Overview



LPWA



SIM7080G

- LCC+LGA 17.6*15.7mm
- eMTC/NB-IoT
- Global Band



SIM7070G

- LCC 24*24mm
- eMTC/NB-IoT/GSM
- Global Band



SIM7020G

- LCC+LGA 17.6*15.7mm
- NB-IoT/GSM
- Global Band



SIM7090G

- LGA 14.8*12.8mm
- eMTC/NB-IoT/GSM



SIM5300

- LCC 24* 24mm
- HSPA+/GSM
- 7.2(DL)/5.76Mbps(UL)



SIM800F

- LCC 24*24mm
- GSM/GPRS
- 85.6Kbps(DL&UL)

LTE



SIM7600X-H

- LCC 30*30mm
- LTE CAT4
- 150/50Mbps(DL&UL)



SIM7600X

- LCC 30*30mm
- LTE CAT1



SIM7500X

- LGA 24*27mm
- LTE CAT1



SIM5320

- LCC 30*30mm
- HSDPA/Quad Band GSM
- 3.6M/384Kbps(DL&UL)



SIM868/868E

- LCC 17.6*15.7mm
- GSM/GPRS+GNSS
- BT/BLE

LTE-A



SIM7912G-M2

- 42*30mm
- LTE Cat 12
- Global Band



SIM7906E-PCIE

- PCIE
- LTE Cat 6



SIM7906SA-M2

- 42*30mm
- LTE Cat 6



SIM7906E-M2

- 42*30mm
- LTE Cat 6



SIM5360

- LCC 30*30mm
- HSPA+/Quad-band GSM
- 14.4(DL)/5.76Mbps(UL)

Automotive



SIM8200-Au

- Sub 6G
- C-V2X



SIM7800

- LGA 34*40mm
- Cat 4
- 150/50Mbps(DL&UL)



SIM8100

- LGA 30*32mm
- C-V2X only

5G



SIM8200G

- LGA package
- Global bands Sub 6



SIM8300G-M.2

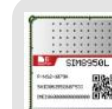
- M.2 package
- Global bands Sub 6 & mmWave



SIM8200EA-M.2

- M.2 package
- Full speed 5G
- Global bands Sub 6G

Smart Module



SIM8980

- 44.1*45.6*2.8mm
- Octa-core@2.2GHz
- GPS/Wi-Fi/BT4.2



SIM8950

- 44.1*45.6*2.8mm
- Octa-core@1.8GHz
- GPS/Wi-Fi/BT4.2



SIM8905

- 40.5*40.5*2.8mm
- Quad-core@1.1GHz
- GPS/Wi-Fi/BT

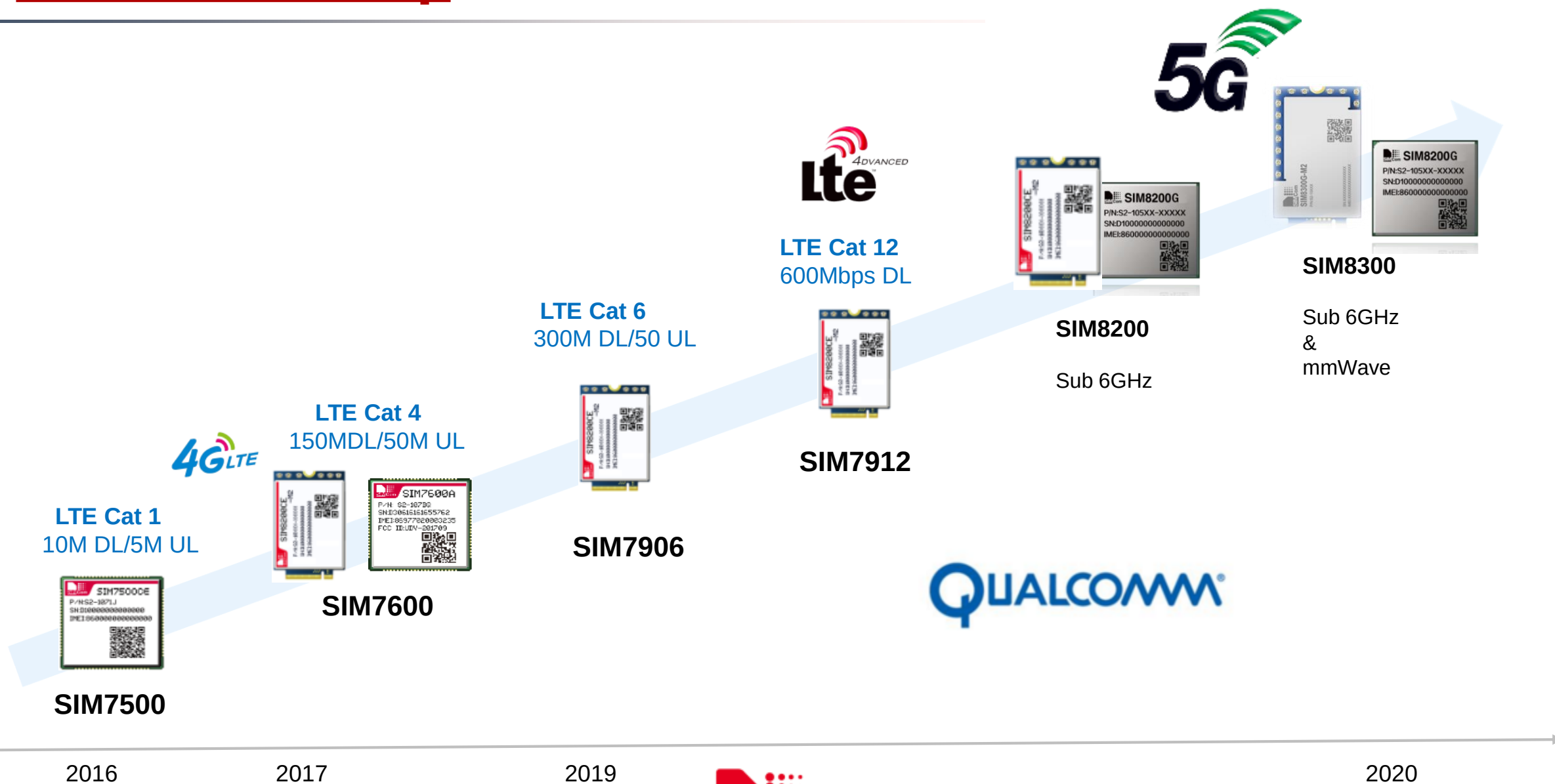
4G
&
5G

3G

2G



LTE-A Roadmap



LTE-A & 5G

LTE-A



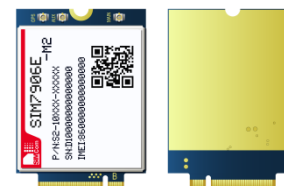
SIM7906E-M.2

LTE-A: CAT6 M.2
DL: 300Mbps, UL: 50Mbps
FDD: B1/B3/B5/B7/B8/B20/B28/B32
TDD: B38/40/41
WCDMA: B1/3/5/8
GNSS: GPS/GLONASS/GALILEO/QZSS/BD



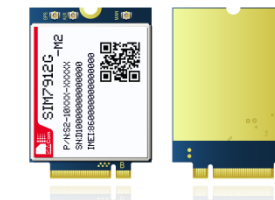
SIM7906E-PCIE

LTE-A: CAT6 M.2
DL: 300Mbps, UL: 50Mbps
FDD: B1/B3/B5/B7/B8/B20/B28/B32
TDD: B38/39/40/41
WCDMA: B1/3/5/8
GNSS: GPS/GLONASS/GALILEO/QZSS/BD



SIM7906SA-M.2

LTE-A: CAT6 M.2
DL: 300Mbps, UL: 50Mbps
FDD:
B1/B2/B3/B4/B5/B7/B12/B17/B26/B27/B28/B66
TDD: B38/B41
WCDMA: B1/B2/B4/B5
GNSS: GPS/GLONASS/GALILEO/QZSS/BD



SIM7912G-M.2

LTE-A: CAT12, M.2
DL: 600Mbps, UL: 100Mbps
FDD
B1/2/3/4/5/7/8/12/13/17/18/19/20/25/26/28/29/30/32/66
TDD: B38/39/40/41
WCDMA: B1/2/3/4/5/8/19
GNSS: GPS/GLONASS/GALILEO/QZSS/BD



5G



SIM8200EA-M.2

5G NR: n1/2/3/5/7/8/12/20/25/28/40/41/66/71/78/79
FDD: 1/2/3/4/5/7/8/12/13/14/17/18/19/20/
25/26/28/29/30/32/66/71
TDD: B34/38/39/40/41/42/43/48(CBRS)
WCDMA: B1/2/3/4/5/8
30x52x2.3mm,
6 antennas



Jan, 20'



SIM8300G-M.2

Global bands Sub 6Ghz and mmWave
30x52x3.8mm
6+8 antennas



May, 20'



SIM8200G

Global bands Sub 6Ghz
8 antennas



Jan, 20'



Mass Production

Developing

Planning



LPWA Qualcomm and MTK based

Qualcomm based

PCIE (optional)



SIM7080G

17.6*15.7mm LCC
Qualcomm 9205
CATM1/NB1/NB2/GNSS
Band:
1/2/3/4/5/8/12/13/17/18/19/20/25/26/28/39



SIM7070G

24mm*24mm LCC
Qualcomm 9205
CATM1/NB1/NB2/GPRS/GNSS
Band:
1/2/3/4/5/8/12/13/14/18/19/20/25/26/27/28/
66/71/85
GSM Quad band



SIM7070E

24mm*24mm, LCC
Qualcomm 9205
CATM1/NB1/NB2/GPRS/GNSS
Band:
1/2/3/4/5/8/12/13/14/18/19/20/25/26/27/28/
31/66/85
GSM Quad band



SIM7090G

14.8*12.8*2.0mm LGA
Qualcomm 9205
CATM1/NB1/NB2/GNSS
Band:
1/2/3/4/5/8/12/13/14/18/19/20/25/26/27/28/
66/71/85



Apr, 20'

MTK based



SIM7020G

17.6*15.7mm LCC
MTK2625
NB1/NB2
Band:
1/2/3/4/5/8/12/13/17/18/19/20/25/26/28/66/70



SIM7050G

24mm*24mm LCC
MTK2621
NB1/NB2/GPRS
GSM Quad band



Mass Production

Developing

Planning

CAT4 SIM7600-H

LTE CAT 4

PCIE and M.2 (optional)



SIM7600JC-H



SoftBank

30mm*30mm, LCC
LTE DL/UL150/ 50Mbps
FDD: B1/3/8/18/19/26
GNSS



SIM7600E-H



30mm*30mm, LCC
LTE DL/UL150/ 50Mbps
FDD: B 1/3/ 5/ 7 /8/ 20
TDD: B38 /40 /41
HSPA: B1/5/8
GSM: 900/1800
GNSS



SIM7600SA-H



30*30*2.9mm LCC
LTE DL/UL150/ 50Mbps
FDD: B1/2/3/4/5/7/8/28
TDD: B40
HSPA: B1/2/5/8
GSM Quad Band



SIM7600CE



30mm*30mm, LCC
LTE DL/UL150/ 50Mbps
TDD-LTE: B38/ 39/ 40/ 41
FDD-LTE: B1/ 3/ 8
TD-SCDMA: B34/ 39
HSPA: B1/ 8
CDMA1X/EVDO: BC0
GSM: 900/1800 MHz
GNSS



SIM7600A-H



30mm*30mm, LCC
LTE DL/UL150/ 50Mbps
FDD: B 2/4/12
HSPA B2/5
GNSS



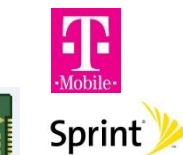
SIM7600V-H



30mm*30mm, LCC
LTE DL/UL150/ 50Mbps
FDD: B 2 /4 /5 /13
GNSS



SIM7600G-H



30mm*30mm, LCC
LTE DL/UL150/ 50Mbps
FDD: B 2/4/5/12/13/25/26/66
HSPA: B2/5
GNSS



SIM7600G-H

30mm*30mm, LCC
LTE DL/UL150/ 50Mbps
FDD:
B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/
B28/B66
TDD: B34/B38/B39/B40/B41
HSPA: B1/B2/B4/B5/B6/B8/B19
GSM Quad Band
GNSS



Mass Production

Developing

Planning

CAT1 SIM7600



SIM7600A



SIM7600E



SIM7600SA



SIM7600G



LTE CAT 1

PCIE (optional)

30mm*30mm, LCC
LTE CAT1 DL/UL10/ 5Mbps
FDD: B2/4/12
HSPA: B2/5

30mm*30mm, LCC
LTE CAT1 DL/UL10/ 5Mbps
FDD: B1/3/5/7/8/20
TDD: B38/40/41
HSPA: B1/5/8
GSM: 900/1800

30mm*30mm, LCC
LTE CAT1 DL/UL10/ 5Mbps
FDD: B1/2/3/4/5/7/8/28
TDD: B40
HSPA: B1/2/5/8
GSM Quad Band

30mm*30mm, LCC
LTE CAT1 DL/UL10/ 5Mbps
FDD:
B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/
B20/B25/B26/B28/B66
TDD: B34/B38/B39/B40/B41
HSPA: B1/B2/B4/B5/B6/B8/B19
GSM Quad Band



SIM7600NA

30mm*30mm, LCC
LTE DL/UL10/ 5Mbps
FDD: B 2/4/5/12/13/25/26/66
HSPA: B2/5
GNSS



Mass Production

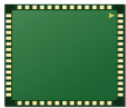
Developing

Planning

Small Size CAT1 SIM7500

LTE CAT1

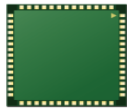
PCIE (optional)



SIM7500JC

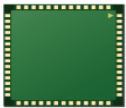


24mm*27mm, LGA
LTE CAT1 DL/UL10/ 5Mbps
FDD: B1/ 18/ 19/ 26



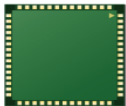
SIM7500E

24mm*27mm, LGA
LTE CAT1 DL/UL10/ 5Mbps
FDD: B 1/3/ 7 /8/ 20
HSPA: B1/8
GSM: 900/1800



SIM7500SA

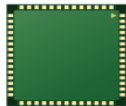
24mm*27mm, LGA
LTE CAT1 DL/UL10/ 5Mbps
FDD: B 1/3/5/ 7/ 8/ 28
UMTS: 850/2100



SIM7500A



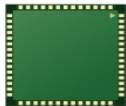
24mm*27mm, LGA
LTE CAT1 DL/UL10/ 5Mbps
FDD: B2/ 4/ 12
HSPA: B2/ 5



SIM7500JE

SoftBank

24mm*27mm, LGA
LTE CAT1 DL/UL10/ 5Mbps
FDD: B1/ 3/ 8



SIM7500V



24mm*27mm, LGA
LTE CAT1 DL/UL10/ 5Mbps
FDD: B 4/ 13



Mass Production

Developing

Planning

Automotive

Automotive



SIM7800CE

34mm*40mm*3.3mm, LCC
Base on MDM9628
LTE DL/UL150/ 50Mbps
HSPA+ DL/UL 42/ 11Mbps
TDD-LTE: B38/ 39/ 40/ 41
FDD-LTE: B1/ 3/ 5/ 7 /8 /20
TD-SCDMA: B34/ 39
HSPA: B1/ 5 / 8
CDMA1X/EVDO: BC0, GSM: 900/1800 MHz



SIM7800E

34mm*40mm*3.3mm, LCC
Base on MDM9628
LTE DL/UL150/ 50Mbps
HSPA+ DL/UL 42/ 11Mbps
TDD-LTE: B38/ 40/ 41
FDD-LTE: B1/ 3/ 5/ 7 /8 /20
HSPA: B1/ 5 / 8
GSM: 900/1800 MHz



SIM8100

LGA 30*32*3.3mm
Based on MDM9150
C-V2X Only



SIM8200-AU

- 5G Sub 6Ghz
- Global band
- C-V2X

Nov, 20'



SIM7600G-H

30mm*30mm, LCC
LTE DL/UL150/ 50Mbps
FDD:
B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/
B28/B66
TDD: B34/B38/B39/B40/B41
HSPA: B1/B2/B4/B5/B6/B8/B19
GSM Quad Band
GNSS



Mass Production

Developing

Planning

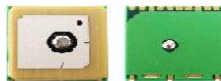
GNSS Modules

GPS



SIM28M

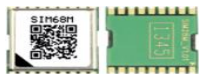
MT3339
10.1*9.7*2.5mm



SIM39EA

Embedded patch antenna
MT3339
16.0*16.0*6.2mm

GPS/Glonass



SIM68M

MT3333
10.1* 9.7* 2.5mm



SIM33EAU

Embedded patch antenna
MT3333
LNA/SAW Inside
22.0*22.0*7.5mm



SIM33ELA

Embedded chip antenna
MT3333
14.0* 9.6* 1.95mm



SIM68D

MTK: AG3335M
L1: Beidou/GPS/GLONASS/Galileo/QZSS
L5: NavIC/Beidou/GPS/Galileo/QZSS
16*12.2*2.4mm

May, 20'



SIM68I

MTK: AG3335MN
L1: Beidou/GPS/GLONASS/Galileo
L5: NavIC
16*12.2*2.4mm

Jun, 20'

Thank you

World-leading supplier of M2M modules and solutions

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