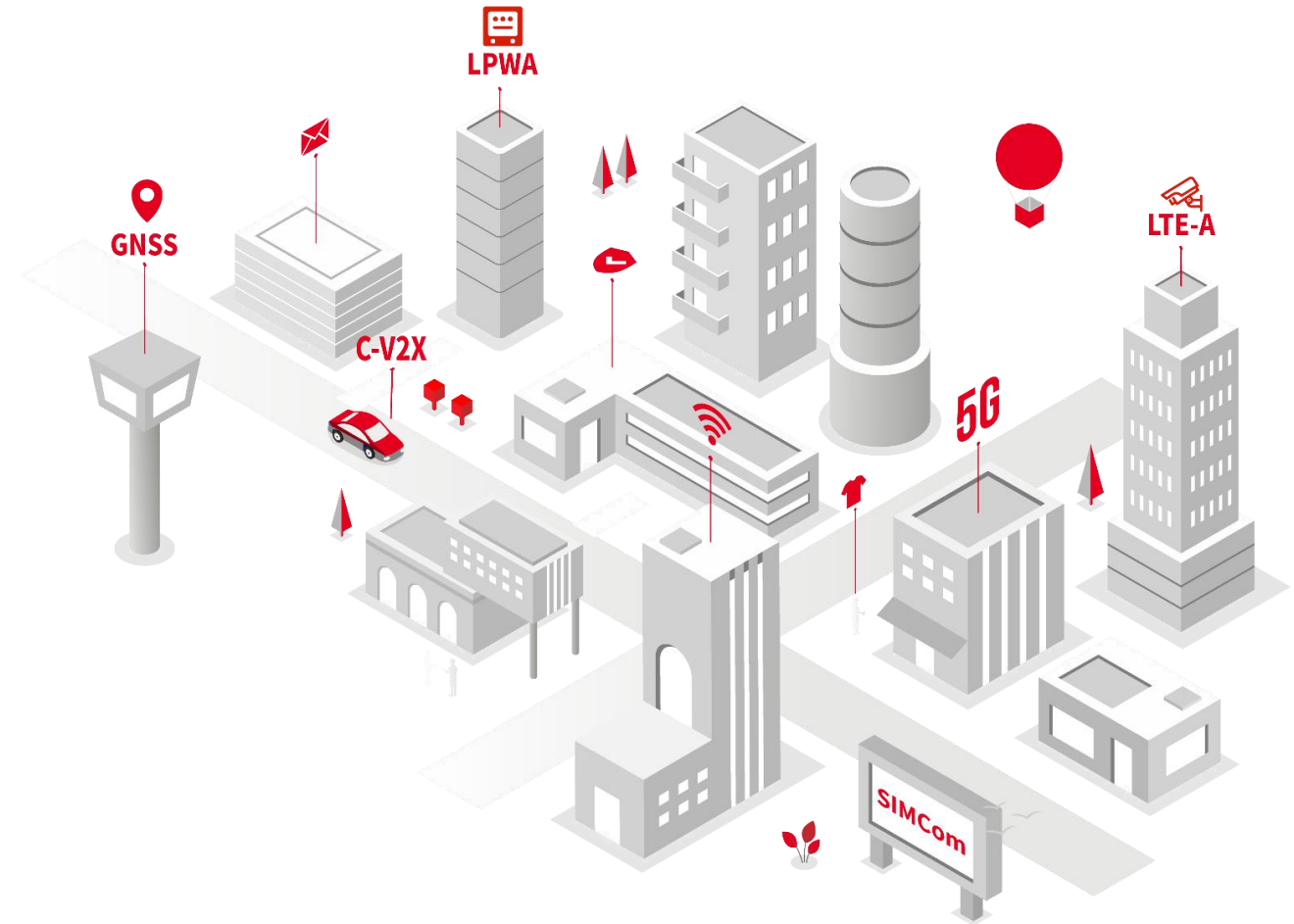




INVENTING A SMART FUTURE

SIMCom Company Profile



About SIMCom at a glance



20years

leading the wireless module industry

180+countries

worldwide sales network

500+

global patents and certifications

5000m²+

R&D laboratory

10,000+

corporate clients all over the world

300+million

cumulative shipments

500+million

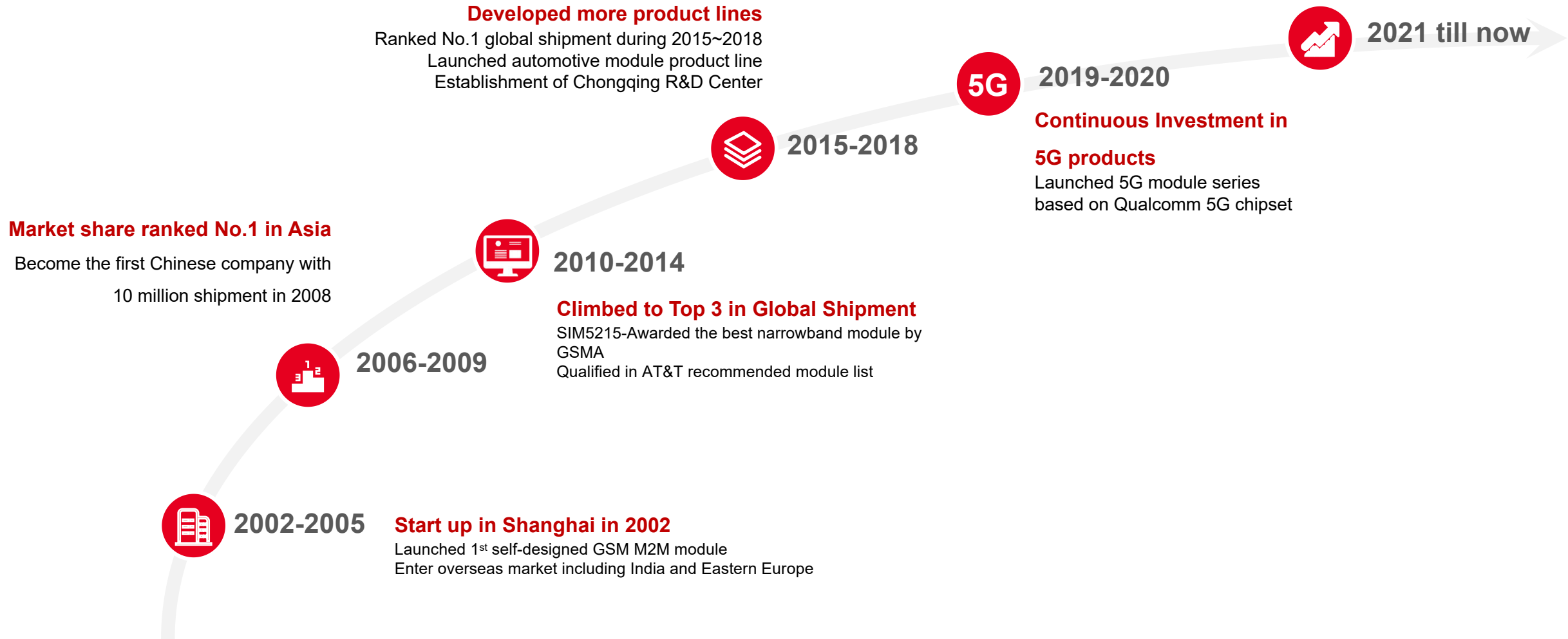
investment in 5G R&D and automatic equipment

No.1

global shipment in 4 consecutive years



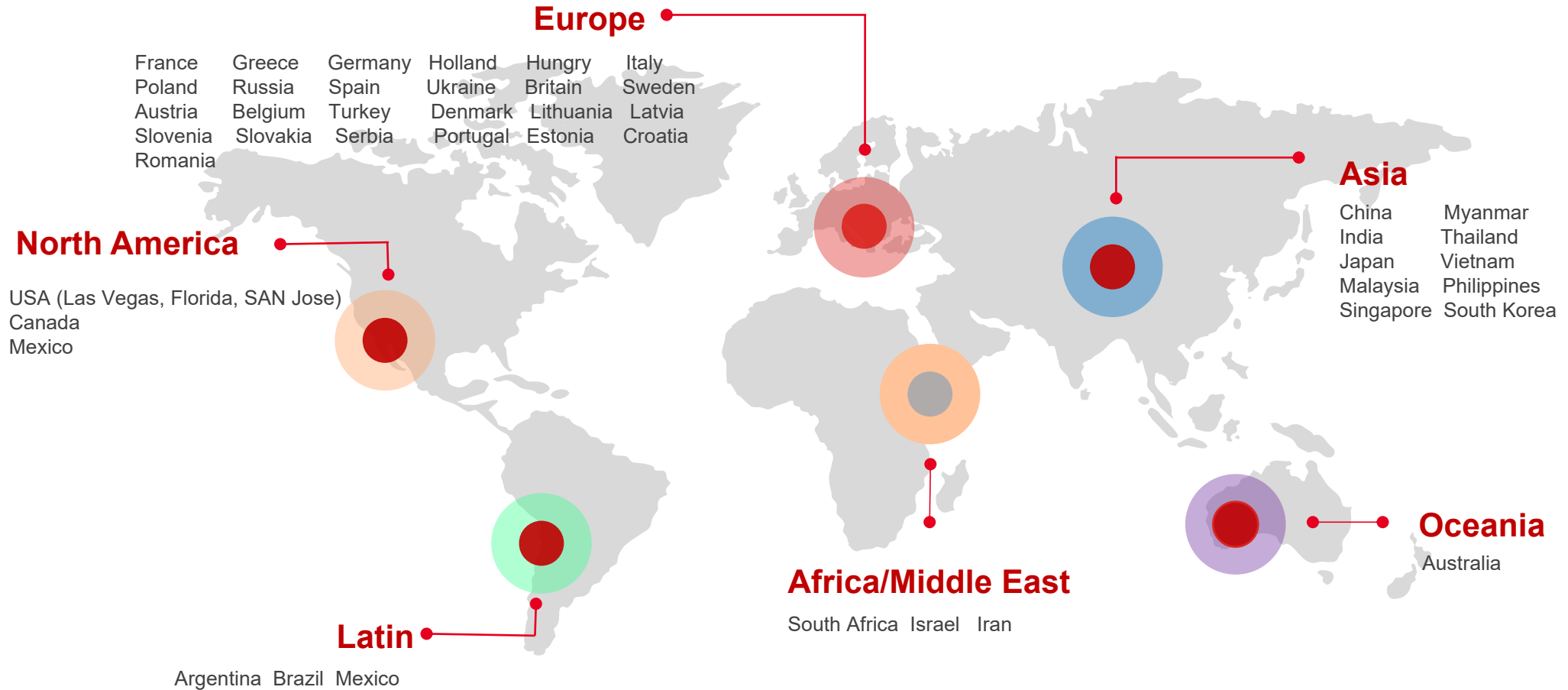
Company History & Milestone



Global Presence



30+ sales offices serve **180+** countries and regions in five continents.



Key Partners and Ecosystem



Chipset Vendor



Software Solutions



Operators



Cloud Platform & Services



Global Certifications

Rich certifications save customer large amount of time and investment when entering global market.

Regulatory Certification

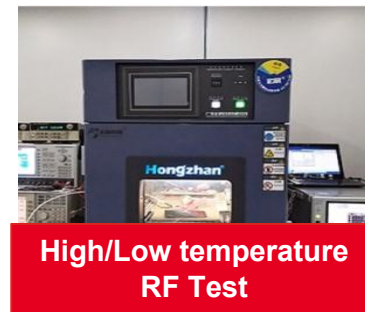
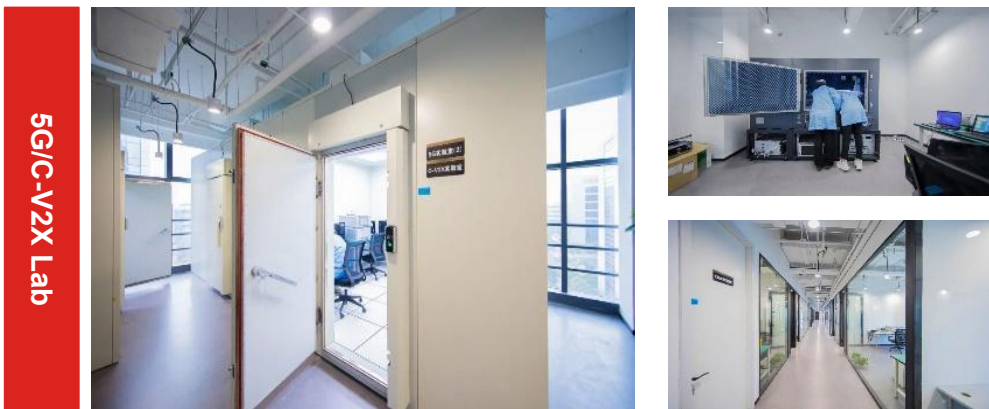
- REACH
- NCC
- ICASA
- CCC
- RCM
- CE
- GCF
- ATEX
- RCM
- FTA
- Anatel
- IC
- TA
- CTA
- PTCRB
- IMDA
- A-TICK
- JATE
- RoHS

Operator Certification

- ROGERS
- Telefonica
- kt
- SoftBank
- LGU+
- Bell
- kpn
- T-Mobile
- vodafone
- TELUS
- TIM
- AT&T
- docomo
- telenor
- SK telecom
- KDDI
- WIND
- verizon
- orange
- 中国移动 China Mobile
- China unicom 中国联通
- 中国电信 China Telecom
- T-Mobile

Top Level Labs Ensure R&D Quality

5,000+m² advanced labs equipped with world's leading instruments



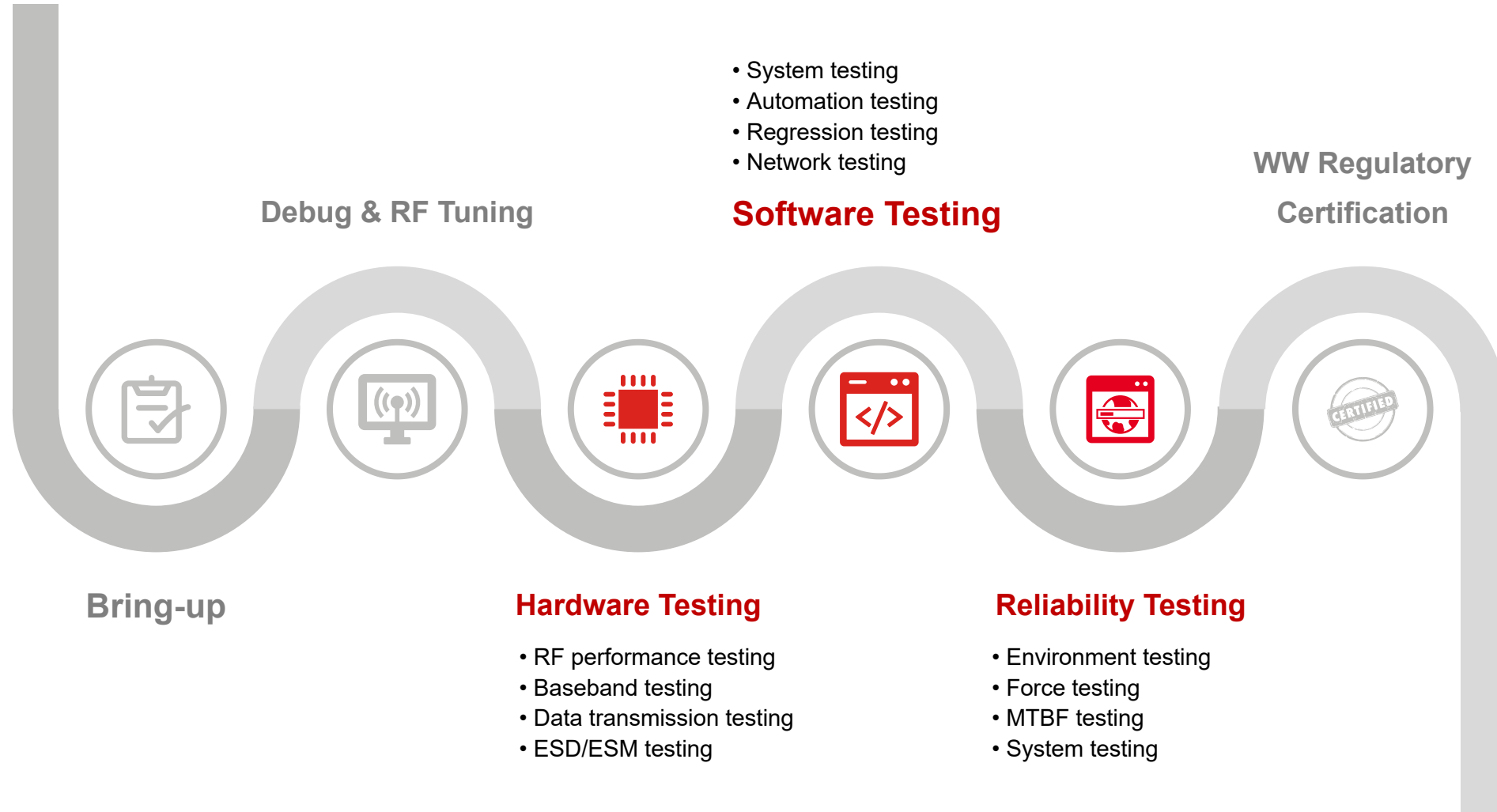
Commitment to Quality

Quality is part of SIMCom DNA

- We are committed to a sustainable culture of quality excellence
- Our quality targets are customer-oriented
- We keep optimizing management to improve quality



R&D Quality Control



Quality Control Management



- ✓ Utilize APQA, SWOT, DOE, FMEA, PPAP and other tools to select qualified suppliers
- ✓ Establish Supplier assessment and management mechanism

Supplier quality control

- ✓ Strict product test standards
- ✓ Professional hardware and software test team
- ✓ Professional Test Lab

Test quality control

- ✓ Continuous improvement with PDCA management tools

Continuous improvement



Design quality control

- ✓ Utilize FMEA/SWOT/PPAP-based management process to ensure design output assessment system
- ✓ JIRA system-based project platform for tracking management
- ✓ Professional PQM and NPI to follow complete design and production process

Production quality control

- ✓ Utilize CP, FMEA, MSA and SPC tools to control the production test process
- ✓ 7S management and ESD control management
- ✓ Complete material/product traceability system
- ✓ QC improvement team

Aftersales service

- ✓ 24-hour services
- ✓ Professional RMA team
- ✓ 8D report

Supply Chain Management

Multiple qualified factories and automatic production lines

- Qualified factories includes BYD @Shenzhen, BIRD@Suizhou, Topwise@Huizhou, Haige@Huizhou
- Innovative Auto lines dramatically shrink back-end cycle times

Business Continuity Management process

- Monitor potential losses ,develop risk-mitigation process
- Continuous review of internal/external partners & suppliers

First-class quality

- Strict quality control system for high-quality products



Multiple manufacturing partners assure delivery and lead-time

Factories

- BIRD@Suizhou
- BYD@Shenzhen
- Haige@Huizhou
- Topwise@Huizhou

Production Capacity

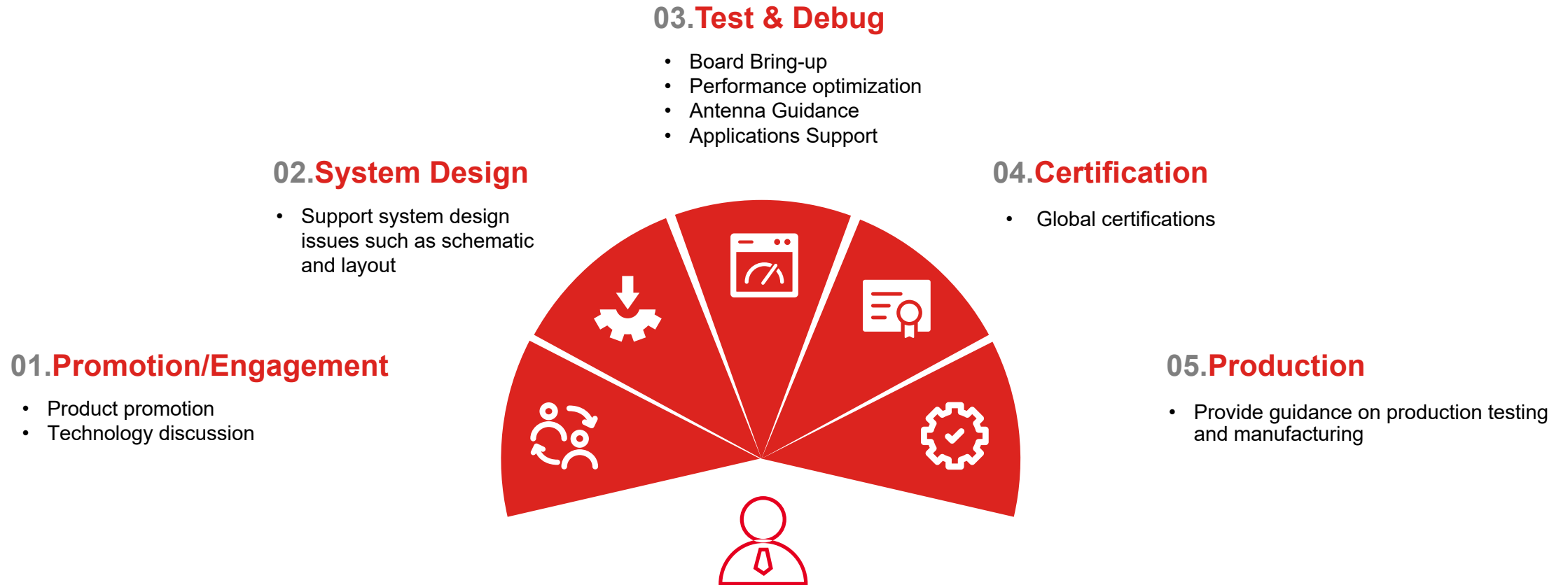
- Professional Factory Team
- Advanced SMT Machine
- Daily production capacity >200K pcs

Production System

- ISO9001
- ISO14001
- ISO27001
- OHSAS18001
- IATF 16949 : 2016
- QC0800000
- TL9000
- ESD2020

SIMCom manufacturing strategy assures on-time delivery

All-round customer technical support



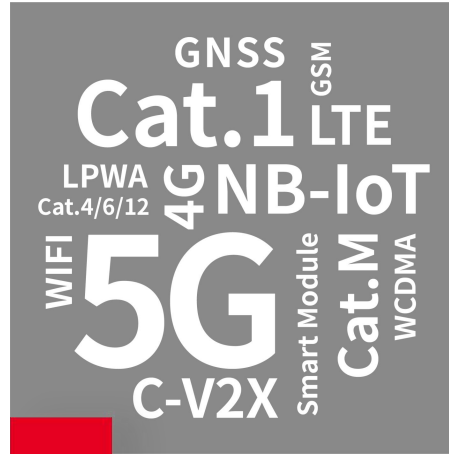
SIMCom is prestigious for its services which are incorporated throughout product life-cycle

Core Competitiveness



01 R&D

With 20 years of hardware development and RF technology accumulation, SIMCom has sustained its lead position in the industry



02 Product roadmap

Complete range of product lines providing multiple choices of network types and chipsets for customer.



03 Supply Capability

Stable cooperation with four reliable manufacturers who adopts automatic production lines.



04 Sales network

A worldwide sales network with 30+ sales offices covering 180+countries and regions



05 Services

Provide software and certification support based on a customer-oriented service system.

SIMCom Product Portfolios in the 5G Era



Positioning

- | Single Frequency & Multi-mode
- | Multi-Frequency
- | DR/RTK



Low & Middle Data Rate

- | 2G/3G
- | LPWA
- | LTE-M
- | NB-IoT
- | Cat.1/Cat.1 bis



MBB

- | LTE Cat.4
- | LTE-A Cat.6
- | LTE-A Pro Cat.12
- | 5G



Automotive

- | Automotive Grade
- | Cat.4
- | V2X
- | 5G/5G+V2X

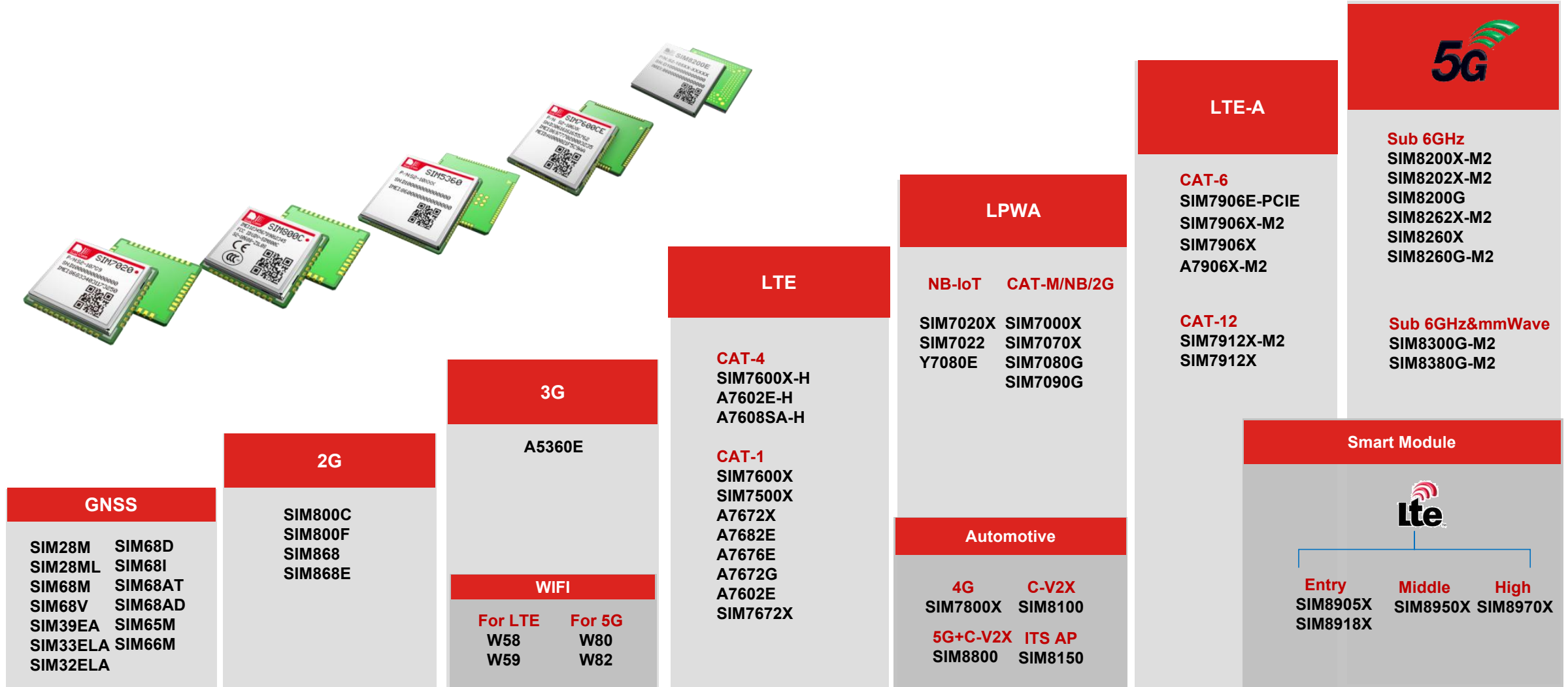
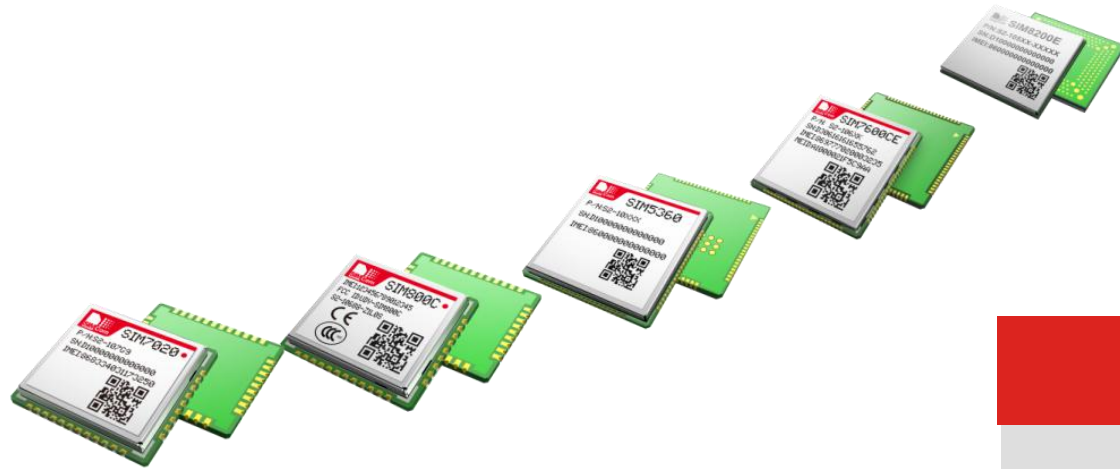


Edge Computing

- | Smart Module
- Entry
- Mid
- High

Complete Range of Cellular & GNSS Product Lines

SIMCom Product Portfolio



X: Different variants

5G Module Roadmap















SDX55

SDX62

SDX65

SDX72/75

<p>Sub 6G+mmW</p>	 <p>SIM8300G-M2</p> <ul style="list-style-type: none"> • M.2 • 30*52*3.65mm 		 <p>SIM8380G-M2</p> <ul style="list-style-type: none"> • M.2 • 30*52*2.3mm • Global Version • 4+2 Antenna <p>Q4.22</p>	 <p>SIM8XXXX-M2</p> <ul style="list-style-type: none"> • M.2 • 30*52*2.3mm • Global Version <p>H2.23</p>
<p>Sub 6G (41.0*43.6, LGA)</p>	 <p>SIM8200G</p> <ul style="list-style-type: none"> • LGA • 41*43.6*2.8 mm 	 <p>SIM8260X</p> <ul style="list-style-type: none"> • LGA • 41*43.6mm • Rel.16 • A/C/E 		 <p>SIM8XXXX</p> <ul style="list-style-type: none"> • LGA • 41*43.6mm <p>H2.23</p>
<p>Sub 6G (30.0*52.0, M.2)</p>	 <p>SIM8200EA-M2</p> <ul style="list-style-type: none"> • M.2 • 30*52*2.3 mm 	 <p>SIM8260C-M2</p> <ul style="list-style-type: none"> • M.2 • 30*52*2.3 mm • Rel.16 • For China 	 <p>SIM8260G-M2</p> <ul style="list-style-type: none"> • M.2 • 30*52*2.3mm • Global Version • 4 Antenna <p>Q4.22</p>	 <p>SIM8XXXX-M2</p> <ul style="list-style-type: none"> • M.2 • 30*52*2.3mm • Global Version <p>H2.23</p>
<p>Sub 6G (30.0*42.0, M.2)</p>	 <p>SIM8202X-M2</p> <ul style="list-style-type: none"> • M.2 • 30*42*2.3 mm • E/G 	 <p>SIM8262X-M2</p> <ul style="list-style-type: none"> • M.2 • 30*42*2.3 mm • Rel.16 • A/E 		

2021

2022


LTE-A Module Roadmap



Old MDM9X04

New SDX12

CAT-12




SIM7912G-M2

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



SIM7912X

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



SIM7912X-M2

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

CAT-6



SIM7906X-M2

- LTE Cat 6
- 300M DL/75M UL
- M.2 Interface
- E/SA




A7906X-M2

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



SIM7906X

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



SIM7906X- PCIE

- LTE Cat 6
- 300M DL/75M UL
- mPCIe Interface



SIM7906X-M2

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

2021

2022

LTE Module Roadmap



CAT-4




SIM7600X-H Series
30*30mm
A/E/V/SA/NA/JC/G



A7602E-H
30x30mm
EMEA




A7608SA-H
30x30mm
South America
Oceania



mPCIe/M.2 card Series

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

CAT-1 CAT-1 bis



SIM7600 Series
30*30mm
A/E/SA/NA/G



SIM7500 Series
24*27mm
A/V/AD/E/JC/JE




A7602E
30*30mm



A7672 Series
24*24mm
BT5.0*/GNSS*
E/SA/S



A7676E
24x24mm
LTE450MHz
support



A7682E
19.6*19.6mm
EMEA
Footprint compatible
with SIM800C



A7672G
24x24mm



SIM7672 Series
24x24mm
GNSS*
G/NA/E

12.22
**Qualcomm
QCX216
For data only**

(*) optional

2021

2022

24x24mm Family Compatible Design
30x30mm Family Compatible Design

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)



SIM7090G

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



SIM7080G

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

NB-IoT &GNSS



Y7080E

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

NB-IoT



SIM7022

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



Y7080E(-L)

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

2021

2022

LTE450/410 MHz Module Roadmap

B31&B72/B87&B88



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



A7676E

- LCC+LGA
- 24*24*2.4mm
- CAT-1/2G/GNSS (Option)
- B1/B3/B8/B20/B28*/B31/B72

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



SIM7070E

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

2021

2022

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**
- EU/SA

Mid



SIM8950X

- 44.1x45.6x2.8mm
- LCC+LGA Package
- LTE Cat.4,150M DL/50M UL
- CPU 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 4xA53 2.0GHz
- 1680*720 HD+ Display
- Camera 13MP
- Wi-Fi/BT/GNSS integrated
- **Android 11/12**
- CE/EA/SA/NA

Entry



SIM8905X

- 40.5x40.5x2.8mm
- LCC+LGA Package
- LTE Cat.4,150M DL/50M UL
- CPU 4xA7 1.1GHz
- 720P HD Display
- Camera 8MP
- Wi-Fi/BT/GNSS integrated
- **Android 5/7/8/ Linux 3.14**
- E/A R2

Before

2022

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

Mid



SIM8050LH

- 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

Before

2022

GNSS Module Roadmap

Multi Bands Multi Modes



SIM68D

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



SIM68I

- 16*12.2*2.4mm
- LNA/SAW Inside
- GPS/GIONASS/Beidou
- L1+L5 (NaVIC)



SIM68MD

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



SIM68AT/AD

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

Single Band Multi Modes



SIM68V/SIM68M SIM68VB/SIM68MB



SIM33 Series (Embedded Antenna) SIM33ELA/SIM33EAU



SIM66MB SIM66M

- 10.1* 9.7* 2.5mm
- LNA/SAW Inside
- GPS/BeiDou
- GPS/GLONASS

Q4.22



SIM32ELA (Embedded Antenna)

- 14*9.6*2.15mm
- GPS + GLONASS + BDS + Galileo
- Support concurrent reception



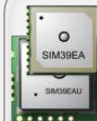
SIM65M

- 10.1* 9.7* 2.5mm
- LNA/SAW Inside
- GPS + GLONASS + BDS + Galileo
- Support concurrent reception

GPS only



SIM28/SIM28M/ SIM28ML



SIM39 Series (Embedded Antenna) SIM39EA/SIM39EAU/

2021

2022

WiFi Module Roadmap



For LTE



W58
16.6x13mm
Base on QCA-9377-3
Wi-Fi with SIM7600X-H
IEEE 802.11b/g/n



W59
16x18.3mm
Base on QCA-6574A-3
Auto Grade Wi-Fi with SIM7800
IEEE 802.11a/b/g/n/ac

For 5G



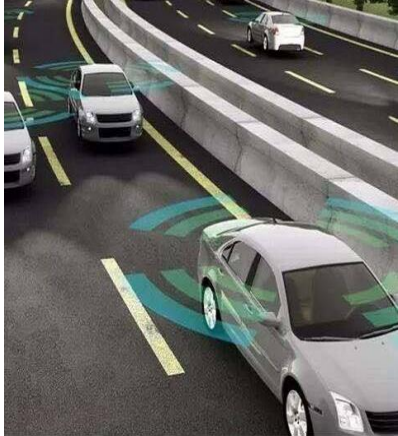
W80
17x24mm
Base on QCA-6391
WIFI 6 with SIM8200 series
IEEE 802.11a/b/g/n/ac/ax
Support 2x2+2x2 MU-MIMO



W82
17x24mm
Base on WCN6856
WIFI 6 with SIM8260 series
IEEE 802.11a/b/g/n/ac/ax
Support 2x2+2x2 MU-MIMO

2021

Where You Can Find Us



Drive the evolution of **smart manufacture**



Bring **smart applications** into uerban life.



Provide sufficient **bandwidth** to consumer ends for better user experiences

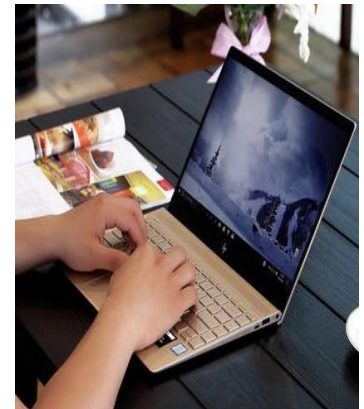
Make **automobiles** safer , greener and more reliable.



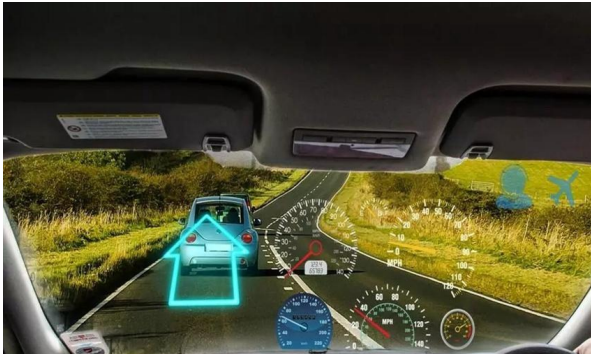
Achieve efficient **management of resources** such as water , power, gas, heat ect.



Realize convenient **mobile payment** , opening up new business mode



Automotive Connectivity



Safety

Application

- Asset Tracking
- UBI insurance
- Fleet Management



Greener

Application

- Charging Station
- Solar Panel



Connectivity

Application

- In-Vehicle Infotainment
- T-Box
- DVR
- ADAS/DMS



- Provide the most cost-effective cellular module for automotive applications
- Multi-Frequency/Multi-mode GNSS Positioning solutions
- Automotive-grade 4G/5G/V2X cellular product line
- Consistent product iteration rate for automotive market

Smart Manufacture



- Moduels with high reliability and high quality
- Wide conpatibility for seamless network transition
- 2G/3G/4G modules widely applied in thousands of customer ends
- 5G commercial module for 5G+IIoT applications and private network

Application

- Smart factories
- DTU/RTU
- PLC/HMI
- Industrial robots
- Industry Tablets

Smart Manufacture

- Empower factories to produce more efficiently
- More flexibility and customization possibilities in the supply chain
- More sustainable production with less waste and less energy consumed
- Safer working environments for people
- Better man-machine cooperation in the work place
- Optimized deployment of machines and tools

Smart Metering

Smart Metering

- Extend monitoring capability of devices by installing cellular network
- Save Human resources
- Provide new energy management solutions

Application

- Electricity Meter
- Gas Meter
- Water Meter
- Heat Meter
- Wind Turbines



- Provide comprehensive products including 2G/NB-IoT/Cat.M/4G
- Compatible layout design with 2G/LPWA/Cat.1 module
- Low power consumption
- Complete global certifications



Smart City & Smart Life



- Varieties of cellular modules meet different requirements of applications
- Complete global certification
- Connecting with cloud platform – Microsoft Azure and AWS platform

Smart City

- The infrastructure to improve municipal services
- Smart Buildings

Application

- Smart Parking
- Smart Elevator
- Street Lighting
- Advertisement Display
- Sharing Economy

Smart Life

- Smart control of heating, air conditioning, appliances, locks and alarms
- Smart meters to connect homes to the smart grid
- Ensure efficiency, convenience, and security of resources management

Application

- Personal Tracker
- Home Automation
- Wearable devices
- Blood Pressure Monitor
- Pet Tracker

Smart Payment

Smart Payment

- Create new business mode and customer experience
- Efficient business management based on big data

Application

- mPOS
- ATM
- Smart POS
- Top-up Machine
- Cash Register



- Provide comprehensive product roadmap for seamless network transition
- Enhanced data transmission security
- Smart modules especially suitable for smart POS and cash register
- Widely applied in key customers' products

Surveillance



Surveillance

- Mobile network brings much more flexibility of application
- Save Human resources.
- Widely applied in smart buildings.

Application

- Video Surveillance
- Alarming
- Access control system



- LTE modules supports high bandwidth for HQ video transmission
- Deliver powerful cellular connectivity
- Complete global necessary certification



INVENTING A SMART FUTURE

Thanks !



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Tel.: +86 21 31575100

Email: simcom@simcom.com

Website: www.simcom.com

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