

MOBILETEK COMMUNICATION LTD.

M2M Module:Power Your Innovation

GNSS Module:Superior Performance

SMART Module:Better IoT Experience

ABOUT MOBILETEK

2009

Shanghai Mobiletek Communication Ltd., was founded in 2009 and is one of the leaders in Internet of Things (IoT). We offer wireless technology and solutions, including 2G/3G/4G/5G/CAT M / NB-IoT wireless modules, GPS/GNSS modules, Smart modules, and Wireless Applications which are consistently integrated with our latest wireless technology for global customers. The industrial-grade LYNQ® modules providing cutting-edge technologies to enabling global customers to build their connected products on Vehicle, Smart City, POS, Telehealth, Metering, etc.

Mobiletek maintains its successful strategy of enabling our customers with intelligent wireless technology and is a one-stop-shop, with testing, manufacturing and warehouse solutions including logistics and packaging, etc., so our customers can keep moving forward and accept the new challenges. Mobiletek will continue to bring sophisticated, cost-effective products, comprehensive and customized technical solutions and individualized services to all our customers.

Headquartered in Shanghai, China, Mobiletek is building its all new IoT Industrial Park in Mianyang (Sichuan Province) and operates Chengdu & Chongqing R&D Center, Beijing, Shenzhen offices to provide excellent service, with help from our worldwide branches, partners and distributors, we are able to provide IoT solutions and services to customers worldwide.

关于我们

移柯通信成立于2009年，总部坐落于上海市，分别在上海，成都，重庆三地配置有研发中心，深圳设置有子公司，绵阳拥有全资加工厂；是一家专业的无线通信模组产品和终端方案提供商。自主研发LYNQ®品牌无线通信模组，三大IoT系列模组产品广泛应用于车载 / 车联网、智慧城市、移动支付、智能表计、工业互联网、智慧农业 / 畜牧业、智慧医疗等众多领域，值得一提的是由移柯通信是第一家设计研发的国产化车载前装模组并达到量产出货。终端解决方案MBB类产品（WIFI 7, CAT1 Dongle, MiFi）和Tracker 追踪类解决方案已经与国内，日韩东南亚，欧洲，北美等国家地区客户达成深度合作。

移柯通信拥有一支行业经验丰富并且年轻有活力的研发团队，核心研发人员平均拥有超过10年的无线通信产品开发经验，研发团队整体平均年龄29岁。年轻富有创造力，经验保障产品质量，力求为客户提供极具创新性的优质产品。公司目前拥有一类专利80多件，参与制定国标/行标10余项。

移柯通信凭借深厚的技术实力，在行业内享有盛名。目前在通用模组行业排名第五，汽车通信模组前装（国产）供应商中排名前三。凭借公司自身卓越的研发能力更是成功获评工信部第五批专精特新小巨人。

移柯通信凭借丰富的行业经验，从产品设计到生产工艺流程及交付时间的管控，只为确保为客户提供高质量、高可靠性、具有竞争力的产品，是客户值得信赖的合作伙伴。



T800



Quad Core CPU
15K DMIPS



5G



Temperature
Range
-40°C to +85°C



AEC-Q100
Compliant



PC5/DSRC



GNSS L1+L5



SGMII



Open Linux



eCall



4x4 MIMO



USB3.1

Module Name	T800
Technology	5G automotive cellular module
Platform	MT2735
Dimension	45.2*45.2*3.4mm
Bands	T800CN: 5G NR: n1/n3/n5/n8/n28/n41/n77/n78 FDD-LTE: B1/B3/B5/B7/B8 TDD-LTE: B34/B38/B39/B40/B41 WCDMA: B1/B5/B8 GSM: 900/1800 T800 EU: 5G NR: n1/n3/n7/n8/n20/n28/n41/n77/n78 FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B20/B28/B32 TDD-LTE: B38/B40/B41/B42 WCDMA B1/B3/B5/B6/B8 GSM: 850/900/1800/1900

T81X





Quad Core CPU
15K DMIPS



LTE B47



Temperature
Range
-40°C to +85°C



SGMII



Ultra Low Power
Consumption



Open Linux



AEC-Q100
Compliant



C-V2X



GNSS L1+L5



eCall



4x4 MIMO



USB3.1

Module Name	T81X
Technology	5G automotive cellular module
Platform	ZX298501
Dimension	54.5 × 53.0 *3.45mm
Bands	T81XE Band: 5G NR: n1/n3/n7/n8/n20/n28/n41/n77/n78 LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B20/B28/B32 LTE-TDD: B38/B40/B41/B42 UMTS/HSDPA/HSPA+: B1/B3/B5/B6/B8 GSM/GPRS/EDGE: 900/1800/850/1900 MHz T81XC Band: 5G NR: n1/n3/n5/n8/n28/n41/n77/n78 LTE-FDD: B1/B3/B5/B7/B8 LTE-TDD: B34/B38/B39/B40/B41 UMTS/HSDPA/HSPA+: B1/B5/B8 GSM/GPRS/EDGE: 900/1800 MHz

T600



Cortex-A7
1.5G



5G NR
Sub-6GHz



Temperature
Range
-40°C to +85°C



RGMII



Open Linux



AEC-Q104
Compliant



gPTP



GNSS/BD



eCall



DSDS

Module Name	T600
Technology	5G Red cap
Platform	ASR1806
Dimension	37.5*33*3.0mm
Bands	T600C BAND NR: n1/n3/n5/n8/n28/n41/n77/n78 TDD-LTE: B34/B38/B39/B40/B41 FDD-LTE: B1/B3/B5/B8

T106



FOTA



CAT4



Temperature
Range
-40°C to +85°C



RMII



eCall



AEC-Q100



Open Linux



Module Name	T106
Technology	LTE Cat4
Platform	ZX297520V3V
Dimension	37.5*33*3.0mm
Bands	T106C BAND TDD-LTE: B34/B38/B39/B40/B41 FDD-LTE: B1/B3/B5/B8 UMTS/HSDPA/HSPA+: B1/B8 GSM/GPRS/EDGE: 900/1800MHz T106E BAND TDD-LTE: B38/B40/B41 FDD-LTE: B1/B3/B5/B7/B8/B20/B28 UMTS/HSDPA/HSPA+: B1/B5/B8 GSM/GPRS/EDGE: 900/1800MHz T106LA TDD-LTE: B40 FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B28/B66 UMTS/HSDPA/HSPA+: B1/B2/B3/B4/B5/B8 GSM/GPRS/EDGE: 850/900/1800/1900MHz

T108



FOTA



GNSS



Temperature
Range
-40°C to +85°C



Analog Audio



CAT4



Linux



eCall



USB2.0



Module Name	T108
Technology	LTE Cat4
Platform	ASR1806
Dimension	37.5*33*3.0mm
Bands	T108C Band FDD-LTE: B1/B3/B5/B8 TDD-LTE: B34/B38/B39/B40/B41 UMTS/HSDPA/HSPA+: B1/B8 GSM/GPRS/EDGE: 900/1800MHz T108E Band TDD-LTE: B38/B40/B41 FDD-LTE: B1/B3/B5/B7/B8/B20/B28 UMTS/HSDPA/HSPA+: B1/B5/B8 GSM/GPRS/EDGE: 900/1800MHz T108LA Band TDD-LTE: B40 FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B28/B66 UMTS/HSDPA/HSPA+: B1/B2/B4/B5/B8 GSM/GPRS/EDGE: 850/900/1800/1900MHz

WG7101



4+1 core
CPU



LTE B47



Temperature
Range
-40°C to +85°C



PC5
Protocol



AT
command



FOTA



USB2.0



Module Name	WG7101
Technology	CV2X module
Platform	CX1860
Dimension	37*42*3.2mm
Bands	B47

WG870



WiFi6



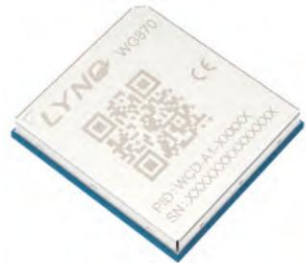
Temperature
Range
-40°C to +85°C



2x2
MIMO ANT



AEC-Q100
Compliant



Module Name	WG870
Technology	Dual Frequency wifi6 automotive module
Platform	CYW89570D
Dimension	21.5*19.5*2.7mm
Bands	band: 2.4G/5G IEEE: 802.11a/b/g/n/ac/ax

L806



5G



LTE CAT4



USB2.0



FOTA



AT
command



LGA



Temperature
Range
-40°C to +85°C

Module Name	L806
Technology	5G Industrial cellular module
Platform	Zx298501
Dimension	CN: 41*44*1.2mm
Bands	L806C: 5G NR Sub-6: n1/n28/n41/n78/n79 FDD-LTE: B1/B3/B5/B8 TDD-LTE: B34/B38/B39/B40/B41 WCDMA: B1/B8 L806E: 5G NR Sub-6: n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/ n75(2R)/n77/n78/n79 FDD-LTE: B1/B3/B5/B7/B8/B18/B19/B20/ B26/B28/B32(2R) TDD-LTE: B38/B39/B40/B41/B42/B43 WCDMA: B1/B5/B8

L803.M2



5G



Temperature
Range
-40°C to +85°C



USB3.1



SGMII



GNSS L1+L5



4x4 MIMO

Module Name	L803.M2
Technology	5G Industrial cellular module
Platform	MT2735
Dimension	52.5*50*4.2mm
Bands	L803.M2 CN: 5G NR: n1/3/5/8/28/n41/77/78 FDD-LTE: B1/3/5/7/8 TDD-LTE: B34/38/39/40/41 WCDMA: B1/5/8 GSM: 900/1800 L803.M2 EU BAND: 5G NR: N1/3/7/8/20/28/N41/77/78 FDD-LTE: B1/2/3/4/5/7/8/20/28/32 TDD-LTE: B38/40/41/42 WCDMA: B1/3/5/6/8 GSM: 850/900/1800/1900

L901



FOTA



5G NR
Sub-6GHz



Temperature
Range
-40°C to +85°C



Tiny Size



AT
command



USB2.0



CAT4



GNSS



Embedded Internet
Services Protocols

Module Name	L901
Technology	5G Redcap
Platform	ASR1903
Dimension	32*29*2.4mm 30*42*3.4mm (M.2)
Bands	L901C: 5G NR: Sub-6GHz 5G NR SA: n1/n3/n5/n8/n28/n40/n41/n78/n79 FDD-LTE: B1/B3/B5/B8 TDD-LTE: B34/B38/B39/B40/B41 L901E: 5G NR: Sub-6GHz 5G NR SA: n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/ n71/n77/n78 FDD-LTE: B1/B3/B5/B7/B8/B20/B28/B71 TDD-LTE: B38/B40/B41/B42/B43

L509



LTE CAT4



Temperature
Range
-40°C to +85°C



Linux



RTOS



Vehicle Attribute



Audio



LCC+LGA



Embedded
Protocols



eCall



GNSS



FOTA

Module Name	L509
Technology	Cat4 Industrial cellular module
Platform	ASR1803
Dimension	32*29*2.4mm
Bands	L509LC(N)/RC(N): FDD LTE: B1/B3/B5/B8 TDD LTE: B34/B38/B39/B40/B41 WCDMA: B1/B5/B8 GSM/GPRS/EDGE: B3/B8 L509LE(N)/RE(N): FDD LTE: B1/B3/B5/B7/B8/B20/B28 TDD LTE: B38/B40/B41 WCDMA: B1/B5/B8 GSM/GPRS/EDGE: B3/B8

L508





LTE CAT4



Temperature Range
-40°C to +85°C



Linux



RTOS



Vehicle Attribute



Audio



LCC+LGA



Embedded Protocols



eCall



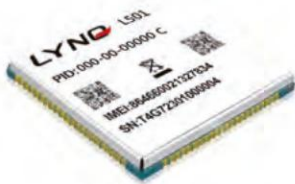
GNSS



FOTA

Module Name	L508
Technology	Cat4 Industrial cellular module
Platform	ASR1803
Dimension	30*30*2.5mm
Bands	L508E(N)/L508LE(N): FDD-LTE: B1/B3/B5/B7/B8/B20/B28 TDD-LTE: B38/B40/B41 UMTS: B1/B8 GSM: 900/1800 MHz L508LA(N)/L508LLA(N): FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B28/B66 TDD-LTE: B40 WCDMA: B1/B2/B4/B5/B8 GSM/GPRS/EDGE: B2/B3/B5/B8 L508C(N)/L508TLC(N): FDD-LTE: B1/B3/B5/B8 TDD-LTE: B34/B38/B39/B40/B41 WCDMA: B1/B8 GSM/GPRS/EDGE: B3/B8

L501



FOTA



LTE Cat1



Temperature
Range
-40°C to +85°C



AT



USB 2.0



Analog Audio



VoLTE



GPRS CLASS 12

Module Name	LTE Cat1 L501
Technology	Cat1 Industrial cellular module
Platform	ASR1603
Dimension	30*30*2.4mm
Bands	L501ER(N)-3S: TDD-LTE: B38/B40/B41 FDD-LTE: B1/B3/B7/B8/B20/B28/B31 GSM/GPRS/EDGE: B3/B8 L501G(N)-3S: TDD-LTE: B34/B38/B39/B40/B41 FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B20/B28/B66 GSM/GPRS/EDGE: B2/B3/B5/B8

L510





FOTA



LTE Cat1



Temperature Range
-40°C to +85°C



AT



USB2.0



Analog and Digital Audio



VoLTE



GPRS CLASS 12

Module Name	L510
Technology	Cat1 Industrial cellular module
Platform	ASR1603
Dimension	21.5*22.5*2.4mm
Bands	L510E(N)-3S: FDD-LTE: B1/B3/B7/B8/B20/B28 GSM/GPRS/EDGE: B3/B8 L510EX(N)-3S: FDD-LTE: B1/B3/B7/B8/B20 TDD-LTE: B38/B40/B41 GSM/GPRS/EDGE: B3/B8 L510C(N)-3S: FDD-LTE: B1/B3/B5/B8 TDD-LTE: B34/B38/B39/B40/B41 GSM/GPRS/EDGE: B3/B8 L510LA(N)-3S: FDD LTE: B1/B2/B3/B4/B5/B7/B8/B28/B66 TDD LTE: B40 GSM/GPRS/EDGE: B2/B3/B5/B8

L511A



FOTA



LTE Cat1



Temperature
Range
-40°C to +85°C



USB2.0



AT Command



WIFI SCAN



Embedded Internet
Services Protocols



Module Name	L511A
Technology	LTE Cat1
Platform	QCX216
Dimension	15.8*17.7*2.3mm
Bands	L511A(N): FDD-LTE: B2/B4/B5/B12/B13/B66/B71

L511ASR



FOTA



LTE Cat1



Temperature
Range
-40°C to +85°C



USB2.0



AT Command



GNSS



Analog Audio



Module Name	L511ASR
Technology	LTE Cat1
Platform	ASR1602/1605/1607
Dimension	15.8*17.7*2.3mm
Bands	L511C(N)-2C/S: FDD-LTE: B1/B3/B5/B8 TDD-LTE: B34/B38/B39/B40/B41 L511E(N)-2C/S: FDD-LTE: B1/B3/B5/B7/B8/B20/B28 TDD-LTE: B38/B40/B41 L511LA(N)-2C/S: FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B28/B66 TDD-LTE: B40 L511C-5C/L511C-5CX/L511C-5S/L511C-5SX/L511C-5SK: FDD-LTE: B1/B3/B5/B8 TDD-LTE: B34/B38/B39/B40/B41 L511C-7C/L511C-7S: FDD-LTE: B1/B3/B5/B8 TDD-LTE: B34/B38/B39/B40/B41

L511Eigencomm



FOTA



LTE Cat1


 Temperature
Range
-40°C to +85°C


USB2.0


 Ultra Low Power
Consumption


AT Command

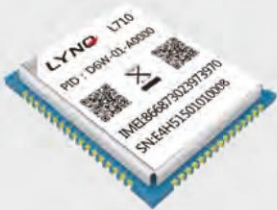


WIFI SCAN


 Embedded Internet
Services Protocols


Module Name	L511Eigencomm
Technology	LTE Cat1
Platform	716/718PM
Dimension	15.8*17.7*2.2mm
Bands	L511C-Y7PM/ L511C-Y7PVM: FDD-LTE: B1/B3/B5/B8 TDD-LTE: B34/B38/B39/B40/B41 L511C-Y7SW/L511C-Y7PW: FDD-LTE: B1/B3/B5/B8 TDD-LTE: B34/B38/B39/B40/B41 L511C-Y6/L511C-Y6E: FDD-LTE: B1/B3/B5/B8 TDD-LTE: B34/B38/B39/B40/B41 L511J-Y6: FDD-LTE: B1/B3/B8/B18/B19/B26/B28 TDD-LTE: B39/B41

L710



NB-IoT



CATM1



Quad-band



AT Command



Ultra Low Power
Consumption



LCC



Temperature
Range
-40°C to +85°C

Module Name	L710
Technology	CatM Industrial cellular module
Platform	MDM9205
Dimension	21.5*2.5*2.4mm
Bands	L710G(N): LTE Cat M1: B1/B2/B3/B4/B5/B8/B12/B13/B14/B18/B19/ B20/B25/B26/B27/B28/B66/B85 LTE Cat NB2: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/ B25/B26/B28/B66/B85 GSM/GPRS: 850/900/1800/1900MHz L710HG(N): LTE Cat M1: B1/B2/B3/B4/B5/B8/B12/B13/B14/B18/B19/ B20/B25/B26/B27/B28/B66/B85 LTE Cat NB2: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/ B25/B26/B28/B66/B85 GSM/GPRS: 850/900/1800/1900MHz L710TK(N): LTE CatM1: B1/B3/B8/B20/B28/B31/B72 LTE CatNB2: B1/B3/B8/B20/B28/B31/B72 GSM/GPRS: 900/1800MHz L710GM: LTE Cat M1: B1/B2/B3/B4/B5/B8/B12/B13/B14/B18/B19/ B20/B25/B26/B27/B28/B66/B85 LTE Cat NB2: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/ B25/B26/B28/B66/B85

L651



LCC



NB-IoT



Temperature
Range
-40°C to +85°C



AT



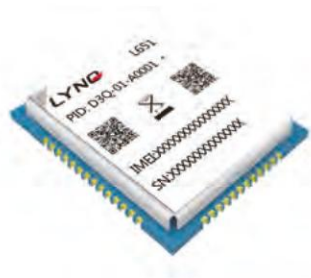
Ultra Low Power
Consumption



GNSS



GPRS CLASS 12



Module Name	L651
Technology	CatNB Industrial cellular module
Platform	RDA8909
Dimension	24*20*2.4mm
Bands	L651C/L651G NB-IoT: B3/5/8/20/28 GSM: 900/1800 MHz

L660X-2



FOTA



BT5.2



Temperature
Range
-40°C to +85°C



AT
command



Ultra Low Power
Consumption



Module Name	L660X-2
Technology	CatNB Industrial cellular module
Platform	EC626
Dimension	17.7*15.8 *2.3mm
Bands	L660XC-2(E): NB-IoT: B3/B5/B8 L660XE-2(E): NB-IoT: B1/B3/B5/B8/B20/B28

F100



LCC



NTN



AT
command



Temerperature
Range
-40°C to +85°C



Module Name	F100
Technology	NTN
Platform	MS210
Dimension	15.8*17.7*2.2mm
Bands	F100XZ: N255(L)/N256(S)/B23

N10



LCC



Tiny Size



Temperature Range
-40°C to +85°C



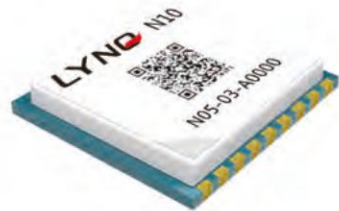
BD3



AGNSS



High sensitivity



Module Name	N10F/N10HD
Technology	Single Frequency GNSS
Platform	AG3352Q/HD8120
Dimension	10.1*9.7*2.2mm/10.1*9.7*2.3mm
Feature	L1 GPS+BD+Glonass+Galileo/L1 GPS+Glonass

N20



LCC



Low power consumption



Temperature Range
-40°C to +85°C



Super Tracking Sensitivity
-162dBm



Module Name	N20HD-1
Technology	Single Frequency GNSS
Platform	HD8120
Dimension	16*12.2*2.2mm
Feature	L1 GPS+Glonass

N23



LCC



Temperature Range
-40°C to +85°C



High Sensitivity



Module Name	N23
Technology	Dual Frequency GNSS
Platform	HD8041D
Dimension	16*12.2*2.5mm
Feature	L1 GPS+Galileo+Glonass L5 IRNSS

N26



LCC



Temperature Range
-40°C to +85°C

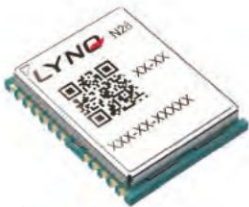


High Sensitivity



Module Name	N26
Technology	Dual Frequency GNSS
Platform	AG3335MN
Dimension	16*12.2*2.0mm
Feature	L1 GPS+BD+Galileo+Glonass L5 IRNSS

N28



LCC



Low power consumption



Temperature Range
-40°C to +85°C



AGNSS



Dead Reckoning



High Sensitivity

Module Name	N28D N28DA
Technology	Dual Frequency+Dead Reckoning Dual Frequency+Dead Reckoning + Auto Grade
Platform	HD8040D HD8040A
Dimension	16*12.2*2.4mm
Feature	L1 GPS+Glonass L5 GPS

N50



LCC



Temperature Range
-40°C to +85°C



High Sensitivity



High Precision

Module Name	N50R5 N50D5
Technology	Dual Frequency+RTK GNSS Dual Frequency GNSS
Platform	CC0058Q
Dimension	16*12.2*2.4mm
Feature	L1 GPS+BD+Galileo+Glonass L5 GPS+IRNSS

N31B



Small
Package



Ultra Low Power
Consumption



EASY™
Technology



Temperature
Range
-40°C to +85°C



Super Tracking
Sensitivity-165dBm



Embedded
Patch Antenna

Module Name	N31B
Technology	Single Frequency GNSS with Antenna
Platform	MT3333
Dimension	18.4*18.4*6.45mm
Feature	L1 GPS+Glonass

N32H



LCC



Small
Package



Temperature
Range
-40°C to +85°C



High
sensitivity



Inertial
Navigation

Module Name	N32H
Technology	Dual Frequency GNSS with Antenna
Platform	AG3335MN
Dimension	18*18*10.45mm
Feature	L1 GPS+BD+Galileo+Glonass L5 IRNSS



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