

LOCOSYS

GNSS Wireless & Communication

**LOCOSYS
GNSS / RTK**

2025

PRODUCT CATALOGUE



IATF 16949:2016



ABOUT LOCOSYS

LOCOSYS Technology Inc., established in 2005 and headquartered in New Taipei City, Taiwan, is a leading global supplier of GNSS (Global Navigation Satellite System) modules and solutions. For decades, LOCOSYS has been deeply engaged in the global positioning market. The company offers GNSS modules, RTK high-precision positioning/orientation solutions, IMU inertial navigation systems, and 4G/5G CORS base station systems.

In 2016, LOCOSYS became the first company in Taiwan to upgrade to the IATF 16949:2016 / ISO 9001:2015 quality management system. Equipped with a complete production line, the company was recognized as the "Best Collaborative Technology Partner" for GNSS/IMU combined navigation positioning modules in the automotive industry in the same year. In 2020, LOCOSYS was awarded the title of "Best Collaborative Technology Partner" for unmanned RTK high-precision positioning and navigation in Taiwan.

LOCOSYS' solutions excel not only in traditional AIoT and high-precision positioning applications but have also made significant progress in the fields of AI and autonomous driving. They drive advancements in unmanned vehicles, smart cities, drones, and inspection/surveying/exploration applications. By integrating AI technology, LOCOSYS is providing smarter and more efficient positioning services to customers worldwide.



CONTENTS

01	GNSS Module Solution	2
02	Smart Antenna Solution	5
03	Mouse Receiver Solution	7
04	Mini PCI-E / M.2 Card	8
05	RTK Solution	9
06	USB Dongle	11



GPS Module	Satellite					Memory	Position Accuracy	VCC	Interface	Dimension (mm)
	L1	L1	L1	L1	L1					
MC-1010-2RE	•				•	R	2.5m	3.3V	UART/(I ² C)	10.1 x 9.7 x 2
MC-1010	•				•	F	2.5m	3.3V	UART/(I ² C)	10.1 x 9.7 x 2
MC-1612-2RE	•				•	R	2.5m	3.3V	UART	16 x 12.2 x 2.2
MC-1612	•				•	F	2.5m	3.3V	UART	16 x 12.2 x 2.2



MC-1010-2RE
MEDIATEK



MC-1010
MEDIATEK



MC-1612-2RE
MEDIATEK



MC-1612
MEDIATEK

GNSS Module	Satellite					Memory	PPS	Position Accuracy	VCC	Interface	Dimension (mm)
	L1	L1	L1	L1	L1						
MC-1010-G	•	•		•	•	F		2.5m	3.3V	UART/(I ² C)	10.1 x 9.7 x 2
MC-1010-B	•		•	•	•	F		2.5m	3.3V	UART/(I ² C)	10.1 x 9.7 x 2
MC-1722-T	•	•	•	•	•	F	±2ns	2.5m	3.3V	UART	22.4 x 17.2 x 2.5
ST-1612i-GT	•	•		•	•	F	±3.9ns	2.5m	3.3V	UART	16 x 12.2 x 2.2
ST-1612i-BT	•		•	•	•	F	±3.9ns	2.5m	3.3V	UART	16 x 12.2 x 2.2



MC-1010-G
MEDIATEK



MC-1010-B
MEDIATEK



MC-1612-G
MEDIATEK



MC-1612-B
MEDIATEK



MC-1722-T
MEDIATEK



ST-1612i-GT
ST
L1s augmented



ST-1612i-BT
ST
L1s augmented

L1 GNSS Module	Satellite					Memory	PPS	Position Accuracy	VCC	Interface	Dimension (mm)
	L1	L1	L1	L1	L1						
MC-1010-18Q	•	•	•	•	•	F	±10ns	1.5m	1.8V	UART/(I ² C)	10.1 x 9.7 x 2.2
MC-1010-52Q	•	•	•	•	•	F	±10ns	1.5m	3.3V	UART/(I ² C)	10.1 x 9.7 x 2.2
* MG-1010-52Q	•	•	•	•	•	F	±10ns	1.5m	3.3V	UART/(I ² C)	10.1 x 9.7 x 2.2
* MG-1612-52Q	•	•	•	•	•	F	±10ns	1.5m	3.3V	UART/(I ² C)	16 x 12.2 x 2.4



MC-1010-18Q
AIROHA



MC-1010-52Q
AIROHA

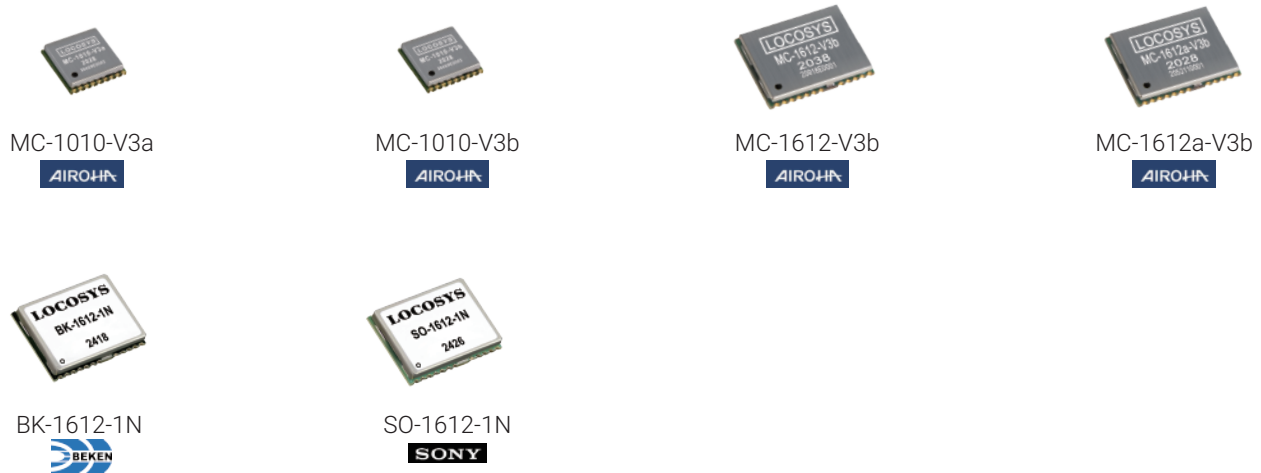


MG-1010-52Q
AIROHA

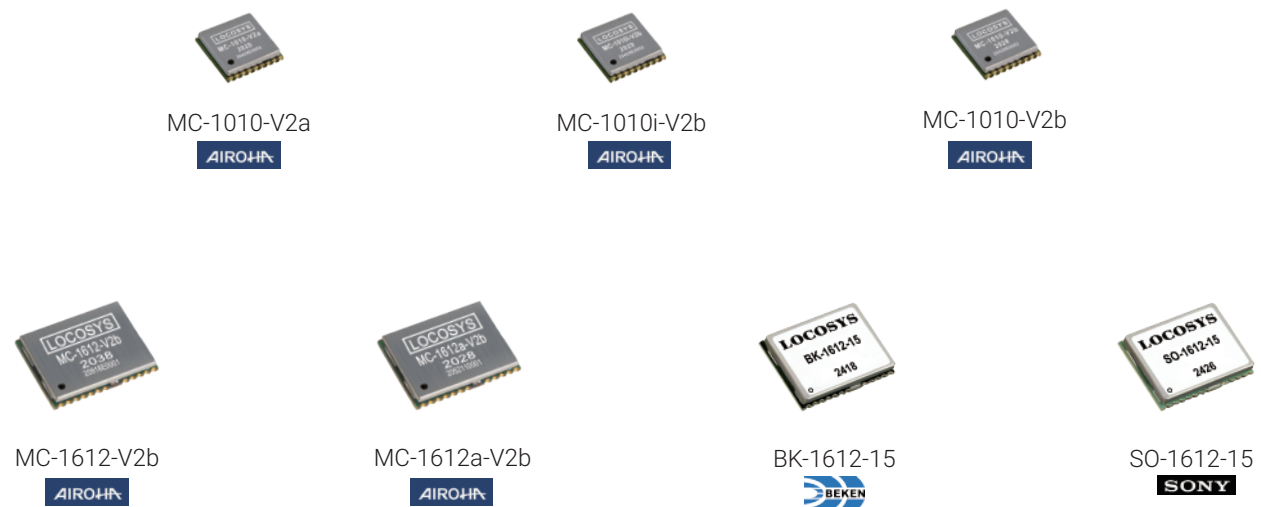


MG-1612-52Q
AIROHA

L1 + IRNSS GNSS Module	Satellite					IRSS	Memory	PPS	Position Accuracy	VCC	Interface	Dimension (mm)
	L1	L1	L1	L1	L1							
MC-1010-V3a	●	●	●	●	●	●	F	±10ns	2.5m	1.8V	UART/(I ² C)	10.1 x 9.7 x 2.2
MC-1010-V3b	●	●	●	●	●	●	F	±10ns	2.5m	3.3V	UART/(I ² C)	10.1 x 9.7 x 2.2
* MC-1612-V3b	●	●	●	●	●	●	F	±10ns	2.5m	3.3V	UART	16 x 12.2 x 2.4
* MC-1612a-V3b	●	●	●	●	●	●	F	±10ns	2.5m	3.3V	UART	16 x 12.2 x 2.4
* BK-1612-1N	●	●	●	●	●	●	F	±20ns	1.5m	3.3V	UART	16 x 12.2 x 2.4
* SO-1612-1N	●	●	●	●	●	●	F	±10ns	1.5m	3.3V	UART	16 x 12.2 x 2.4



L1 + L5 GNSS Module	Satellite					IRSS	Memory	PPS	Position Accuracy	VCC	Interface	Dimension (mm)
	L1	L5	L1	L5	L1	L5	L1	L5	L1	L5	L5	
MC-1010-V2a	●	●	●		●	●	●	●	●	●	●	10.1 x 9.7 x 2.2
MC-1010i-V2b	●	●	●		●	●	●	●	●	●	●	10.1 x 9.7 x 2.2
* MC-1010-V2b	●	●	●		●	●	●	●	●	●	●	10.1 x 9.7 x 2.2
* MC-1612-V2b	●	●	●		●	●	●	●	●	●	●	16 x 12.2 x 2.4
MC-1612a-V2b	●	●	●		●	●	●	●	●	●	●	16 x 12.2 x 2.4
* BK-1612-15	●	●	●		●	●	●	●	●	●	●	16 x 12.2 x 2.4
* SO-1612-15	●	●	●		●	●	●	●	●	●	●	16 x 12.2 x 2.4



RTK L1+L5 Module	Satellite						IRSS	Position Accuracy	VCC	Interface	Dimension (mm)
	L1	L5	L1	L5	L1	L5	L1	L5			
* RTK-1010	●	●	●		●	●	●	●	3.3V	UART	10.1 x 9.7 x 2.2
* RTK-1612	●	●	●		●	●	●	●	3.3V	UART	16 x 12.2 x 2.4
* BKR-1612	●	●	●		●	●	●	●	3.3V	UART	16 x 12.2 x 2.4
* SOR-1612	●	●	●		●	●	●	●	3.3V	UART	16 x 12.2 x 2.4



RTK-1010
AIROHA



RTK-1612
AIROHA



BKR-1612
BEKEN



SOR-1612
SONY

ADR/UDR Module	Satellite					DR Mode	Position Accuracy	VCC	Interface	Dimension (mm)
	L1	L1	L1	L1	L1					
MC-1612-DG	●	●	●	●	●	ADR/UDR	2.5m	3.3V	UART	16 x 12.2 x 2.4
MC-1612-DB	●	●	●	●	●	ADR/UDR	2.5m	3.3V	UART	16 x 12.2 x 2.4
ST-1612i-DGX	●	●	●	●	●	ADR	1.8m	3.3V	UART	16 x 12.2 x 2.3



MG-1612AD-DR
AIROHA



MC-1612-DG
MEDIATEK



MC-1612-DB
MEDIATEK



ST-1612i-DGX
ST

UDR (L1+L5) Module	Satellite						DR Mode	Position Accuracy	VCC	Interface	Dimension (mm)
	L1	L5	L1	L5	L1	L5					
* MG-1612AD-DR	●	●	●		●	●	UDR	1.5m	3.3V	UART	16 x 12.2 x 2.4

RTK + DR Module	Satellite						P / R / Y	DR Function	Position Accuracy	VCC	Interface	Dimension (mm)
	L1	L5	L1	L5	L1	L5						
* RTK-1612AD-DR	●	●	●		●	●	✓	UDR	1cm (< 1.5 m CEP)	3.3V	UART	16 x 12.2 x 2.4
* RTK-1612AB-DR	●	●	●		●	●		UDR	1cm (< 1.5 m CEP)	3.3V	UART	16 x 12.2 x 2.4



RTK-1612AD-DR
AIROHA



RTK-1612AB-DR
AIROHA

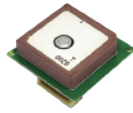
GPS Smart Antenna	Satellite					Memory	Position Accuracy	VCC	Interface	Dimension (mm)
	L1	L1	L1	L1	L1					
LS2003C-2RE	•				•	R	2.5m	3.3V	UART	15.5 x 15.5 x 6.6
LS2003D-2RE	•				•	R	2.5m	3.3V	UART	21 x 17 x 7.2
LS2003E-2RE	•				•	R	2.5m	3.3V	UART	22 x 22 x 8.4
LS2003C	•				•	F	2.5m	3.3V	UART	15.5 x 15.5 x 6.6
LS2003D	•				•	F	2.5m	3.3V	UART	21 x 17 x 7.2
LS2003E	•				•	F	2.5m	3.3V	UART	22 x 22 x 8.4
LS20030-2RE	•				•	R	2.5m	3.3V	USB	30 x 30 x 8
LS20031-2RE	•				•	R	2.5m	3.3V	TTL	30 x 30 x 8
LS20032-2RE	•				•	R	2.5m	3.3V	RS232	30 x 30 x 8
LS20030U	•				•	F	2.5m	3.3V	USB	30 x 30 x 8
LS20031U	•				•	F	2.5m	3.3V	TTL	30 x 30 x 8
LS20032U	•				•	F	2.5m	3.3V	RS232	30 x 30 x 8



LS2003C-2RE
LS2003C
LS20030U



LS2003D-2RE
LS2003D
LS20031U



LS2003E-2RE
LS2003E
LS20032U



LS2003x-2RE

GNSS Smart Antenna	Satellite					Memory	Position Accuracy	VCC	Interface	Dimension (mm)
	L1	L1	L1	L1	L1					
LS2003J-G	•	•		•	•	F	2.5m	3.3V	UART	16 x 12.8 x 2.8
LS2003C-G	•	•		•	•	F	2.5m	3.3V	UART	15.5 x 15.5 x 6
LS2003D-G	•	•		•	•	F	2.5m	3.3V	UART	21 x 17 x 7.2
LS2003E-G	•	•		•	•	F	2.5m	3.3V	UART	22 x 22 x 8.4
LS20030U-G	•	•		•	•	F	2.5m	3.3V	USB	30 x 30 x 8
LS20031U-G	•	•		•	•	F	2.5m	3.3V	TTL	30 x 30 x 8
LS20032U-G	•	•		•	•	F	2.5m	3.3V	RS232	30 x 30 x 8



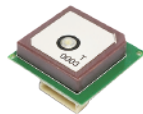
LS2003J-G



LS2003C-G



LS2003D-G

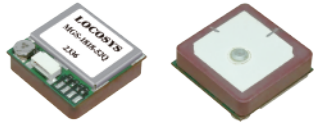


LS2003E-G

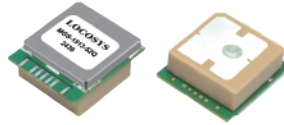


LS2003xU-G

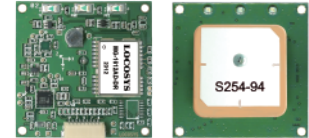
L1 Smart Antenna	Satellite						Memory	Position Accuracy	VCC	Interface	Dimension (mm)
	L1	L5	L1	L5	L1	L5					
* LC20030-52Q	●		●		●		F	1.5m	3.3V	USB	38 x 38 x 7.9
* LC20031-52Q	●		●		●		F	1.5m	3.3V	TTL	38 x 38 x 7.9
* LC20032-52Q	●		●		●		F	1.5m	3.3V	RS232	38 x 38 x 7.9
* MGS-1812-52Q	●		●		●		F	1.5m	3.3V	UART	18.3 x 18.4 x 7.4
* MGS-1513-52Q	●		●		●		F	1.5m	3.3V	UART	15.2 x 13 x 6.55



MGS-1812-52Q

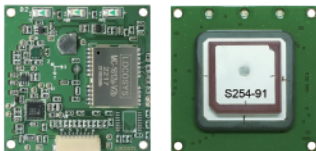


MGS-1513-52Q

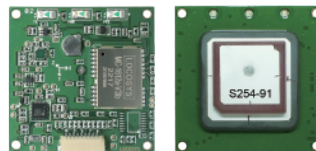


LC2003x-52Q

L1 + L5 Smart Antenna	Satellite						IRSS	Memory	Position Accuracy	VCC	Interface	Dimension (mm)
	L1	L5	L1	L5	L1	L5						
* LC20030-V2	●	●	●		●	●	●	F	1.5m	3.3V	USB	38 x 38 x 7.9
* LC20031-V2	●	●	●		●	●	●	F	1.5m	3.3V	TTL	38 x 38 x 7.9
* LC20032-V2	●	●	●		●	●	●	F	1.5m	3.3V	RS232	38 x 38 x 7.9
* LC20030-V3	●		●		●		●	F	2.5m	3.3V	USB	38 x 38 x 7.9
* LC20031-V3	●		●		●		●	F	2.5m	3.3V	TTL	38 x 38 x 7.9
* LC20032-V3	●		●		●		●	F	2.5m	3.3V	RS232	38 x 38 x 7.9
LS2003H-V2	●	●	●		●	●	●	F	1.5m	3.3V	UART/USB	14 x 9.6 x 2
LS2003H-V3	●		●		●		●	F	1.5m	3.3V	UART/USB	14 x 9.6 x 2



LC2003x-V2



LC2003x-V3

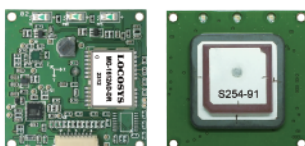


LS2003H-V2



LS2003H-V3

L1 + L5 + DR Smart Antenna	Satellite						Memory	Position Accuracy	VCC	Interface	Dimension (mm)
	L1	L5	L1	L5	L1	L5					
* LC20030-35AD	●	●	●		●	●	F	1.5m	5.0V	USB	38 x 38 x 7.9
* LC20031-35AD	●	●	●		●	●	F	1.5m	3.3V	TTL	38 x 38 x 7.9
* LC20032-35AD	●	●	●		●	●	F	1.5m	5.0V	RS232	38 x 38 x 7.9



LC2003x-35AD

GPS Mouse Receiver	Satellite					Position Accuracy	VCC	Interface	Connector	Dimension (mm)
	L1	L1	L1	L1	L1					
LS23030-2RE	●				●	2.5m	5V	USB	USB	49 x 41 x 14.1
LS23032-2RE	●				●	2.5m	5V	RS232	PS2	49 x 41 x 14.1
LS23036-2RE	●				●	2.5m	5V	RS232	RJ11	49 x 41 x 14.1
LS23030	●				●	2.5m	5V	USB	USB	49 x 41 x 14.1
LS23032	●				●	2.5m	5V	RS232	PS2	49 x 41 x 14.1
LS23036	●				●	2.5m	5V	RS232	RJ11	49 x 41 x 14.1

GNSS Mouse Receiver	Satellite					Position Accuracy	VCC	Interface	Connector	Dimension (mm)
	L1	L1	L1	L1	L1					
LS23030-G	●	●	●	●	●	2.5m	5V	USB	USB	49 x 41 x 14.1
LS23032-G	●	●	●	●	●	2.5m	5V	RS232	PS2	49 x 41 x 14.1
LS23036-G	●	●	●	●	●	2.5m	5V	RS232	RJ11	49 x 41 x 14.1

GNSS + DR Mouse Receiver	Satellite					Position Accuracy	VCC	Interface	Connector	Dimension (mm)
	L1	L1	L1	L1	L1					
LS23030-UDG	●	●	●	●	●	2.5m	5V	USB	USB	49 x 41 x 14.1
LS23032-UDG	●	●	●	●	●	2.5m	5V	RS232	PS2	49 x 41 x 14.1
LS23036-UDG	●	●	●	●	●	2.5m	5V	RS232	RJ11	49 x 41 x 14.1



LS2303x-2RE
LS2303x
LS2303x-G
LS2303x-UDG

L1 Mouse Receiver	Satellite					Position Accuracy	VCC	Interface	Connector	Dimension (mm)
	L1	L1	L1	L1	L1					
* LU3030-52Q	●	●	●	●	●	1.5m	5V	USB	USB	52 x 57 x 17
* LU3032-52Q	●	●	●	●	●	1.5m	5V	RS232	PS2	52 x 57 x 17
* LU3036-52Q	●	●	●	●	●	1.5m	5V	RS232	RJ11	52 x 57 x 17
* MGM3636E-52Q	●	●	●	●	●	1.5m	5V	TRS	TRS	36 x 36 x 13.5

L1 + L5 Mouse Receiver	Satellite									IRSS	Position Accuracy	VCC	Interface	Connector	Dimension (mm)
	L1	L5	L1	L1	L5	L1	L5	L1	L5	L5					
LU23030-V2	●	●	●	●	●	●	●	●	●	●	1.5m	5V	USB	USB	52 x 57 x 17
LU23032-V2	●	●	●	●	●	●	●	●	●	●	1.5m	5V	RS232	PS2	52 x 57 x 17
LU23036-V2	●	●	●	●	●	●	●	●	●	●	1.5m	5V	RS232	RJ11	52 x 57 x 17
LU23030-V3	●		●	●		●		●		●	2.5m	5V	USB	USB	52 x 57 x 17
LU23032-V3	●		●	●		●		●		●	2.5m	5V	RS232	PS2	52 x 57 x 17
LU23036-V3	●		●	●		●		●		●	2.5m	5V	RS232	RJ11	52 x 57 x 17

L1 + L5 + DR Mouse Receiver	Satellite					Position Accuracy	VCC	Interface	Connector	Dimension (mm)
	L1	L5	L1	L1	L5	L1	L5	L5		
* LU23030-35AD	●	●	●	●	●	1.5m	5V	USB	USB	52 x 57 x 17
* LU23032-35AD	●	●	●	●	●	1.5m	5V	RS232	PS2	52 x 57 x 17
* LU23036-35AD	●	●	●	●	●	1.5m	5V	RS232	RJ11	52 x 57 x 17



LU2303x-52Q
LU2303x-Vx
LU2303x-35AD



MGM3636E-52Q

04 Mini PCI-E / M.2 Card

※ GPS GLONASS BEIDOU GALILEO QZSS IRNSS
※ * : HOT SALE * : NEW ※ R : ROM F : FLASH

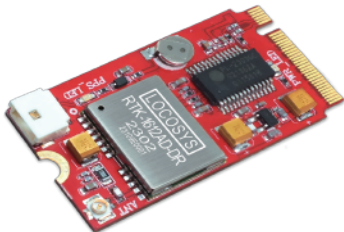
GPS Mini PCI-e Card	Satellite					Memory	Position Accuracy	VCC	Interface	Dimension (mm)
	L1	L1	L1	L1	L1					
LS26030-2RE	●				●	R	2.5m	3.3V	USB	50.8 x 28.5 x 3.2
LS26031-2RE	●				●	R	2.5m	3.3V	USB	26.65 x 28.5 x 3.2
LS26030	●				●	F	2.5m	3.3V	USB	50.8 x 28.5 x 3.2
LS26031	●				●	F	2.5m	3.3V	USB	26.65 x 28.5 x 3.2

GNSS Mini PCI-e Card	Satellite					Memory	Position Accuracy	VCC	Interface	Dimension (mm)
	L1 L5	L1 L5	L1 L5	L1 L5	L1 L5					
LS26030-G/-B	● ●	● ●	● ●	● ●	● ●	F	2.5m	3.3V	USB	50.8 x 28.5 x 3.2
LS26031-G/-B	● ●	● ●	● ●	● ●	● ●	F	2.5m	3.3V	USB	26.65 x 28.5 x 3.2
LS26030-15R	● ●	● ●	● ●	● ●	● ●	F	1cm (< 1.5 m CEP)	3.3V	USB	50.8 x 28.5 x 3.2
LS26031-15R	● ●	● ●	● ●	● ●	● ●	F	1cm (< 1.5 m CEP)	3.3V	USB	26.65 x 28.5 x 3.2

M.2 Card	Satellite					Memory	Position Accuracy	VCC	Interface	Dimension (mm)
	L1 L5	L1 L5	L1 L5	L1 L5	L1 L5					
M.2-52Q	● ●	● ●	● ●	● ●	● ●	F	1.5m	3.3V	USB	41.9 x 22 x 4.1
M.2-V2b	● ●	● ●	● ●	● ●	● ●	F	1.5m	3.3V	USB	41.9 x 22 x 4.1
M.2-15R	● ●	● ●	● ●	● ●	● ●	F	1cm (< 1.5 m CEP)	3.3V	USB	41.9 x 22 x 4.1
* M.2-35AD	● ●	● ●	● ●	● ●	● ●	F	1.5m	3.3V	USB	41.9 x 22 x 4.1
* M.2-R35AD	● ●	● ●	● ●	● ●	● ●	F	1cm (< 1.5 m CEP)	3.3V	USB	41.9 x 22 x 4.1



Mini PCI-E Card



M.2 Card

05 RTK Solution

※ GPS GLONASS BEIDOU GALILEO QZSS IRNSS
※ * : HOT SALE * : NEW ※ R : ROM F : FLASH

RTK board (L1+L5)	Satellite						MEMS Accuracy	UBX binary for drone	Heading Accuracy	Position Accuracy	VCC	Interface	Dimension (mm)
	L1	L5	L1	L5	L1	L5	L1	L5	L1	L5			
RTK-4057-MHPD	●	●	●		●	●	●	●	0.1°	1cm (< 1.5 m CEP)	3.3V	USB	57 x 40 x 1
RTK-DUAL-A	●	●	●		●	●	●	●	0.1°	1cm (< 1.5 m CEP)	3.3V	UART	50 x 42 x 21
* RTK-DUAL-B	●	●	●		●	●	●	●	0.1°	1cm (< 1.5 m CEP)	3.3V	UART	50 x 42 x 21
* RTK-DUAL-C	●	●	●		●	●	●	●	0.1°	1cm (< 1.5 m CEP)	3.3V	UART	50 x 42 x 21

GNSS board (L1+L5)	Satellite						Heading Accuracy	Position Accuracy	VCC	Interface	Dimension (mm)
	L1	L5	L1	L5	L1	L5	L1	L5			
GNSS-DUAL	●	●	●		●	●	0.1°	1.5m	3.3V	UART	50 x 42 x 21



RTK-DUAL



GNSS-DUAL



RTK-4057-MHPD

RTK USB Dongle	Satellite						P / R / Y	Operation System	Position Accuracy	VCC	Interface	Dimension (mm)
	L1	L5	L1	L5	L1	L5	L1	L5	L1	L5		
* RTK-15D	●	●	●		●	●	●	●	1cm (< 1.5 m CEP)	3.3V	USB TypeC	37.85 x 27.5 x 13



RTK-15D

HAWK (Drone Solution)	Satellite						E-COMPASS	Platform Support	Position Accuracy	VCC	Interface	Dimension (mm)
	L1	L5	L1	L5	L1	L5	L1	L5	L1	L5		
HAWK-R1	●	●	●		●	●		Pixhawk (PX4) Ardupilot	1cm (< 1.5 m CEP)	3.3V	TTL	46 x 46 x 72.5
* HAWK-R2	●	●	●		●	●	●	Pixhawk (PX4) Ardupilot	1cm (< 1.5 m CEP)	3.3V	TTL	46 x 46 x 72.5



HAWK

※ GPS GLONASS BEIDOU GALILEO QZSS IRNSS
 ※ * : HOT SALE * : NEW ※ R : ROM F : FLASH

RTK System	Satellite												IRSS	4G LTE	Ethernet	Position Accuracy	VCC	OS	Dimension (mm)
	L1	L2	L5	L1	L2	L5	L1	L2	L5	L1	L2	L5	L1	L2	L5	L5			
* RTK-M300	●		●	●			●	●	●	●		●	●	●	●	●	AC 100-240V	Windows	185 x 120 x 45
* RTK-M980	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	AC 100-240V	Windows	185 x 120 x 45
* GB-104B	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	DC 5V/2A	RTOS	227 x 118 x 35
* GB-10WB	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	DC 5V/2A	RTOS	227 x 118 x 35
* GB-304WB	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	DC 5V/2A	Andriod	120 x 100 x 46
* GB-30WB	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	DC 5V/2A	Andriod	120 x 100 x 46



RTK-M300 / RTK-M980



GB-10 4B WB



GB-30 4WB WB

Helix Antenna (L1+L5)	Satellite												IRSS	VDC	Interface	Dimension (mm)
	L1	L2	L5	L1	L2	L5	L1	L2	L5	L1	L2	L5	L5			
LH-105A2-B	●		●	●			●	●	●	●		●	●	2 ~ 6V	SMA	27.5 (D) x 59 (H)
LH-105AR-D	●		●	●			●	●	●	●		●	●	3 ~ 12V	SMA	43.5 (D) x 40.8 (H)
LH-105AR-DC	●		●	●			●	●	●	●		●	●	3 ~ 12V	SMA	48 (D) x 33 (H)
* LF-105A2-B	●		●	●			●	●	●	●		●	●	2 ~ 6V	SMA	24 (D) x 56.15 (H)



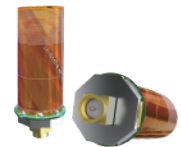
LH-105A2-B



LH-105AR-D



LH-105AR-C



LH-105A2-B

Helix Antenna (L1+L2+L5+L6+L-Band)		Satellite												IRSS		VDC	Interface	Dimension (mm)	
		L1	L2	L5	L1	L2	L5	L1	L2	L5	L6	L1	L2	L5	L6				L5
*	LH-1256AR-D	●	●	●	●	●	●	●	●	●	●	●	●	●	●	1542±17MHz	3 ~ 12V	SMA	43.5 (D) x 40.8 (H)
*	LH-1256AR-E	●	●	●	●	●	●	●	●	●	●	●	●	●	●	1525 - 1559 MHz	3 ~ 12V	SMA	43.5 (D) x 40.8 (H)
*	LH-1256L	●	●	●	●	●	●	●	●	●	●	●	●	●	●	1525 - 1559 MHz	2.1 ~ 18V	SMA	65.5 (D) x 37.5 (H)



LH-1256AR-D



LH-1256AR-E



LH-1256L

Patch Antenna (L1+L5)	Satellite			Satellite			Satellite			IRSS	VDC	Interface	Dimension (mm)
	L1	L2	L5	L1	L2	L5	L1	L2	L5				
LP-105AR-C	●	●	●	●	●	●	●	●	●	●	3 ~ 5V	SMA	86.8 x 65 x 23
LP-105A-C	●	●	●	●	●	●	●	●	●	●	3 ~ 5V	SMA	50 x 55 x 17

Survey Antenna (L1+L2+L5)	Satellite			Satellite			Satellite			IRSS	VDC	Interface	Dimension (mm)
	L1	L2	L5	L1	L2	L5	L1	L2	L5				
LS-125-A	●	●	●	●	●	●	●	●	●	●	3 ~ 12V	SMA	Φ 160 x 66.5
LS-125F-A	●	●	●	●	●	●	●	●	●	●	3 ~ 12V	SMA	Φ 132 x 55.14



LP-105AR-C



LP-105A-C



LS-125-A



LS-125F-A

TianTong (LEO) Antenna	Satellite			Satellite			Satellite			IRSS	Receive Signals Efficiently	Interface	Dimension (mm)
	L1	L2	L5	L1	L2	L5	L1	L2	L5				
TT01	●	●	●	●	●	●	●	●	●	●	✓	2.17 ~ 2.2GHz	Φ 13 x 100



TT01

06 USB Dongle

USB Dongle	Satellite			Satellite			Memory	Position Accuracy	VCC	Interface	Dimension (mm)
	L1	L5	L1	L5	L1	L5					
* UB-52Q	●	●	●	●	●	●	F	1.5m	3.3V	USB	85.5 x 32.95 x 19.35
* UB-V2b	●	●	●	●	●	●	F	1.5m	3.3V	USB	85.5 x 32.95 x 19.35
* UB-15R	●	●	●	●	●	●	F	1cm (< 1.5 m CEP)	3.3V	USB	85.5 x 32.95 x 19.35
* UB-35AD	●	●	●	●	●	●	F	1.5m	3.3V	USB	85.5 x 32.95 x 19.35
* UB-R35AD	●	●	●	●	●	●	F	1cm (< 1.5 m CEP)	3.3V	USB	85.5 x 32.95 x 19.35



USB Dongle