

LOCOSYS

GNSS Wireless & Communication

**LOCOSYS
GNSS / RTK**

2024

PRODUCT CATALOGUE



47344



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.



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01 GNSS Module Solution

※ GPS GLONASS BEIDOU GALILEO QZSS IRNSS
※ R : ROM F : FLASH

GPS Module	Satellite						Memory	Position Accuracy	VCC	Interface	Dimension (mm)
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



MC-1010



MC-1612-2RE



MC-1612

GNSS Module	Satellite						Memory	Position Accuracy	VCC	Interface	Dimension (mm)
MC-1010-G/B	●	●	●	●	●	-	F	2.5m	3.3V	UART/(I ² C)	10.1 x 9.7 x 2
MC-1010-G2	●	●	●	●	●	-	F	2.5m	3.3V	UART/(I ² C)	10.1 x 9.7 x 2.2



MC-1010-G



MC-1010-B



MC-1010-G2



MC-1612-G



MC-1612-B

L1 GNSS Module	Satellite										Memory	Timing Accuracy	Position Accuracy	VCC	Interface	Dimension (mm)	
	L1	L5	L1	L5	L1	L5	L1	L5	L1	L5							
MC-1010-18Q		-		-		-		-		-	-	F	±10ns	1.5m	1.8V	UART/(I²C)	10.1 x 9.7 x 2.2
MC-1010-52Q		-		-		-		-		-	-	F	±10ns	1.5m	3.3V	UART/(I²C)	10.1 x 9.7 x 2.2
 MG-1010-52Q		-		-		-		-		-	-	F	±10ns	1.5m	3.3V	UART/(I²C)	10.1 x 9.7 x 2.2
 MG-1612-52Q		-		-		-		-		-	-	F	±10ns	1.5m	3.3V	UART/(I²C)	16 x 12.2 x 2.4



MC-1010-18Q



MC-1010-52Q

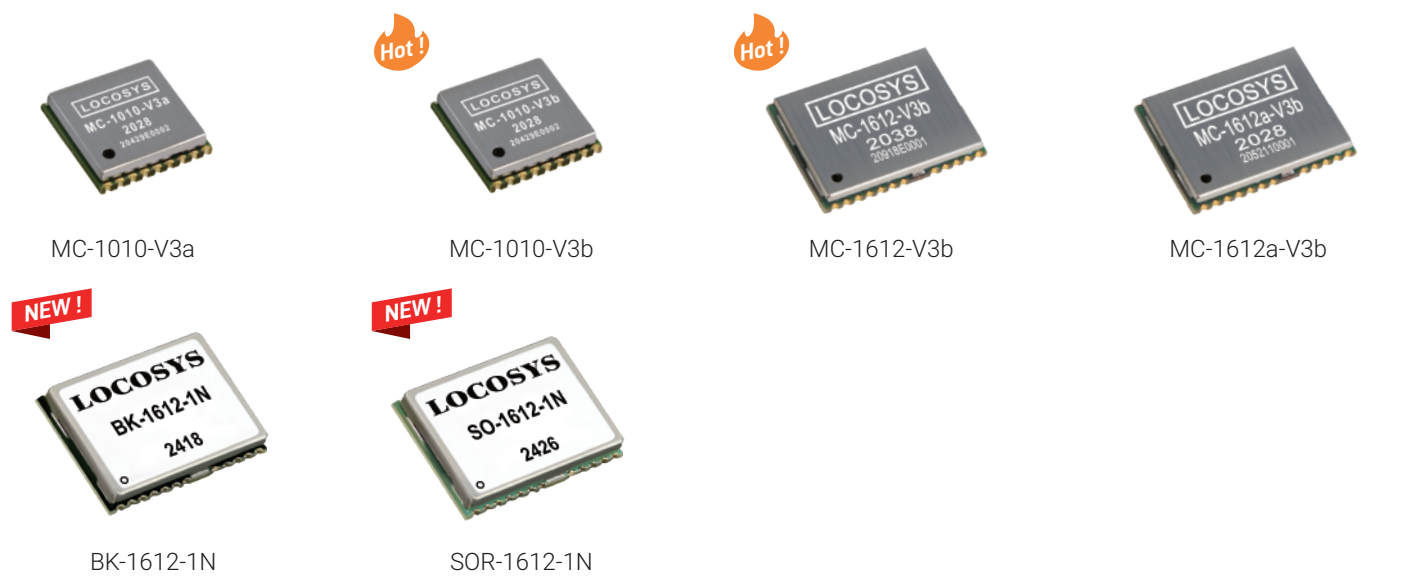


MG-1010-52Q



MG-1612-52Q

L1 + IRNSS GNSS Module	Satellite										IRSS	Memory	Timing Accuracy	Position Accuracy	VCC	Interface	Dimension (mm)
	L1	L5	L1	L5	L1	L5	L1	L5	L1	L5							
MC-1010-V3a	●	-	●	-	●	-	●	-	●	-	●	F	±10ns	2.5m	1.8V	UART/(I²C)	10.1 x 9.7 x 2.2
MC-1010-V3b	●	-	●	-	●	-	●	-	●	-	●	F	±10ns	2.5m	3.3V	UART/(I²C)	10.1 x 9.7 x 2.2
Hot! MC-1612-V3b	●	-	●	-	●	-	●	-	●	-	●	F	±10ns	2.5m	3.3V	UART	16 x 12.2 x 2.4
Hot! MC-1612a-V3b	●	-	●	-	●	-	●	-	●	-	●	F	±10ns	2.5m	3.3V	UART	16 x 12.2 x 2.4
NEW! BK-1612-1N	●	-	●	-	●	-	●	-	●	-	●	F	±20ns	1.5m	3.3V	UART	16 x 12.2 x 2.4
NEW! SOR-1612-1N	●	-	●	-	●	-	●	-	●	-	●	F	±10ns	1.5m	3.3V	UART	16 x 12.2 x 2.4



L1 + L5 GNSS Module	Satellite										Memory	Timing Accuracy	Position Accuracy	VCC	Interface	Dimension (mm)	
	L1	L5	L1	L5	L1	L5	L1	L5	L1	L5							
MC-1010i-V2b	●	●	●	-	●	●	●	●	●	●	-	F	±10ns	1.5m	3.3V	UART/(I²C)	10.1 x 9.7 x 2.2
MC-1010-V2a	●	●	●	-	●	●	●	●	●	●	-	F	±10ns	1.5m	1.8V	UART/(I²C)	10.1 x 9.7 x 2.2
Hot! MC-1010-V2b	●	●	●	-	●	●	●	●	●	●	-	F	±10ns	1.5m	3.3V	UART/(I²C)	10.1 x 9.7 x 2.2
Hot! MC-1612-V2b	●	●	●	-	●	●	●	●	●	●	-	F	±10ns	1.5m	3.3V	UART	16 x 12.2 x 2.4
MC-1612a-V2b	●	●	●	-	●	●	●	●	●	●	-	F	±10ns	1.5m	3.3V	UART	16 x 12.2 x 2.4
NEW! BK-1612-15	●	●	●	-	●	●	●	●	●	●	-	F	±20ns	1.5m	3.3V	UART	16 x 12.2 x 2.4
NEW! SO-1612-15	●	●	●	-	●	●	●	●	●	●	-	F	±10ns	1.5m	3.3V	UART	16 x 12.2 x 2.4



PPS Timing Module							Satellite	Memory	Timing Accuracy	Position Accuracy	VCC	Interface	Dimension (mm)
MC-1722-T	●	●	●	●	●	-	F	±2ns	2.5m	3.3V	UART	22.4 x 17.2 x 2.5	
ST-1612-T	●	●	-	●	●	-	F	±5ns	2.5m	3.3V	UART	16 x 12.2 x 2.2	
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-1722-T



ST-1612-T



ST-1612i-GT



ST-1612i-BT

ADR/UDR Module	Satellite					DR Mode	Position Accuracy	VCC	Interface	Dimension (mm)	
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

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



MG-1612AD-DR



MC-1612-DG



MC-1612-DB



ST-1612i-DGX

02 Smart Antenna Solution

※ GPS GLONASS BEIDOU GALILEO QZSS IRNSS

※ R : ROM F : FLASH

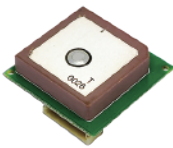
GPS Smart Antenna	Satellite						Memory	Position Accuracy	VCC	Interface	Dimension (mm)
LS2003C-2RE	●	-	-	-	●	-	R	2.5m	3.3V	UART	15.5 x 15.5 x 6.6
LS2003D-2RE	●	-	-	-	●	-	R	2.5m	3.3V	UART	21 x 17 x 7.2
LS2003E-2RE	●	-	-	-	●	-	R	2.5m	3.3V	UART	22 x 22 x 8.4
LS2003C	●	-	-	-	●	-	F	2.5m	3.3V	UART	15.5 x 15.5 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

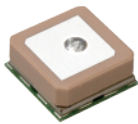


LS2003x-2RE

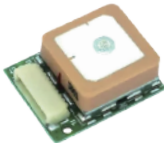
GNSS Smart Antenna	Satellite							Position Accuracy	VCC	Interface	Dimension (mm)
LS2003J-G	●	●	-	●	●	-	F	2.5m	3.3V	UART	16 x 12.8 x 2.8
LS2003C-G	●	●	-	●	●	-	F	2.5m	3.3V	UART	15.5 x 15.5 x 6
LS2003D-G	●	●	-	●	●	-	F	2.5m	3.3V	UART	21 x 17 x 7.2
LS2003C-G	●	●	-	●	●	-	F	2.5m	3.3V	UART	22 x 22 x 8.4
LS20030U-G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



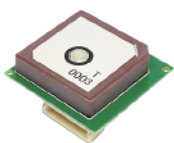
LS2003J-G



LS2003C-G



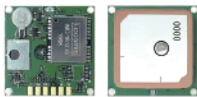
LS2003D-G



LS2003E-G

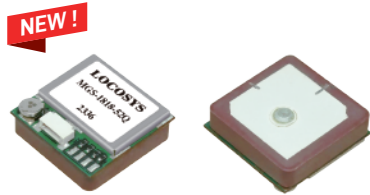


LS2003xU-G

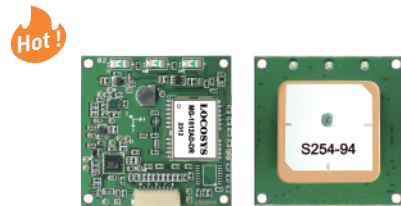


LS2003xB

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

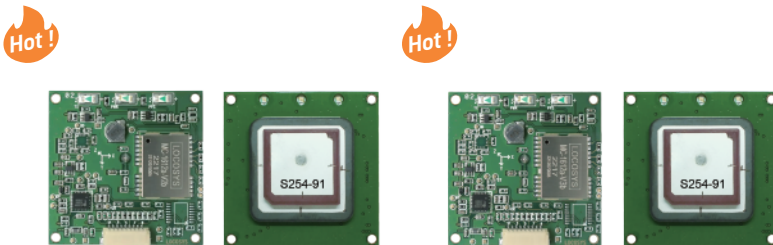


MGS-1812-52Q



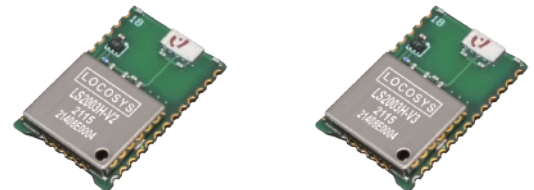
LC2003x-52Q

L1 + L5 Smart Antenna	Satellite								Memory	Position Accuracy	VCC	Interface	Dimension (mm)
	L1	L5	L1	L5	L1	L5	L1	L5					
Hot! LC20030-V2	●	●	●	-	●	●	●	●	F	1.5m	3.3V	USB	38 x 38 x 7.9
Hot! LC20031-V2	●	●	●	-	●	●	●	●	F	1.5m	3.3V	TTL	38 x 38 x 7.9
Hot! LC20032-V2	●	●	●	-	●	●	●	●	F	1.5m	3.3V	RS232	38 x 38 x 7.9
Hot! LC20030-V3	●	-	●	-	●	-	●	-	F	2.5m	3.3V	USB	38 x 38 x 7.9
Hot! LC20031-V3	●	-	●	-	●	-	●	-	F	2.5m	3.3V	TTL	38 x 38 x 7.9
Hot! 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

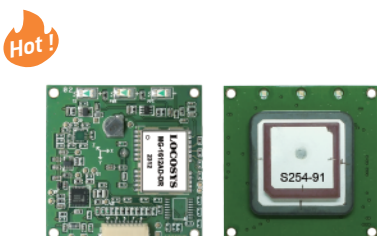
LC2003x-V3



LS2003H-V2

LS2003H-V3

L1 + L5 + DR Smart Antenna	Satellite								Memory	Position Accuracy	VCC	Interface	Dimension (mm)
	L1	L5	L1	L5	L1	L5	L1	L5					
Hot! LC20030-35AD	●	●	●	-	●	●	●	●	F	1.5m	5.0V	USB	38 x 38 x 7.9
Hot! LC20031-35AD	●	●	●	-	●	●	●	●	F	1.5m	3.3V	TTL	38 x 38 x 7.9
Hot! 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)
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)
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)
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	L5	L1	L5	L1	L5	L1	L5	L1	L5					
NEW ! LU3030-52Q	●	-	●	-	●	-	●	-	●	-	1.5m	5V	USB	USB	
NEW ! LU3032-52Q	●	-	●	-	●	-	●	-	●	-	1.5m	5V	RS232	PS2	52 x 57 x 17
NEW ! LU3036-52Q	●	-	●	-	●	-	●	-	●	-	1.5m	5V	RS232	RJ11	52 x 57 x 17

L1 + L5 Mouse Receiver	Satellite										Position Accuracy	VCC	Interface	Connector	Dimension (mm)
	L1	L5	L1	L5	L1	L5	L1	L5	L1	L5					
NEW ! LU23030-V2	●	●	●	-	●	●	●	●	●	●	1.5m	3.3V	USB	USB	52 x 57 x 17
NEW ! LU23032-V2	●	●	●	-	●	●	●	●	●	●	1.5m	3.3V	RS232	PS2	52 x 57 x 17
NEW ! LU23036-V2	●	●	●	-	●	●	●	●	●	●	1.5m	3.3V	RS232	RJ11	52 x 57 x 17
NEW ! LU23030-V3	●	-	●	-	●	-	●	-	●	-	2.5m	3.3V	USB	USB	52 x 57 x 17
NEW ! LU23032-V3	●	-	●	-	●	-	●	-	●	-	2.5m	3.3V	RS232	PS2	52 x 57 x 17
NEW ! LU23036-V3	●	-	●	-	●	-	●	-	●	-	2.5m	3.3V	RS232	RJ11	52 x 57 x 17

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



LS2303x-52Q
LS2303x-Vx
LS2303x-AD

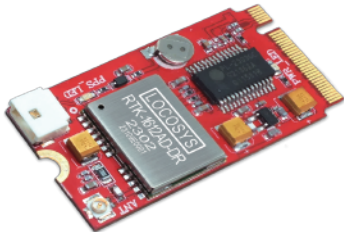
GPS Mini PCI-e Card		Satellite					Memory	Position Accuracy	VCC	Interface	Dimension (mm)
LS26030-2RE	•	-	-	-	•	-	R	2.5m	3.3V	USB	50.8 x 28.5 x 3.2
LS26031-2RE	•	-	-	-	•	-	R	2.5m	3.3V	USB	26.65 x 28.5 x 3.2
LS26030	•	-	-	-	•	-	F	2.5m	3.3V	USB	50.8 x 28.5 x 3.2
LS26031	•	-	-	-	•	-	F	2.5m	3.3V	USB	26.65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

GNSS Mini PCI-e Card		Satellite					Memory	Position Accuracy	VCC	Interface	Dimension (mm)
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	0.01m+1ppm < 1.5 m CEP (Autonomous)	3.3V	USB	50.8 x 28.5 x 3.2
LS26031-15R	•	•	•	•	•	-	F	0.01m+1ppm < 1.5 m CEP (Autonomous)	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-V2b	●	●	●	-	●	●	●	●	●	●	-	F	1.5m	3.3V	M.2/USB	41.9 x 22 x 4.1
M.2-15R	●	●	●	-	●	●	●	●	●	●	-	F	0.01m+1ppm < 1.5 m CEP (Autonomous)	3.3V	M.2/USB	41.9 x 22 x 4.1
M.2-35AD	●	●	●	-	●	●	●	●	●	●	-	F	1.5m	3.3V	M.2/USB	41.9 x 22 x 4.1
M.2-R35AD	●	●	●	-	●	●	●	●	●	●	-	F	0.01m+1ppm < 1.5 m CEP (Autonomous)	3.3V	M.2/USB	41.9 x 22 x 4.1



Mini PCI-E Card



M.2 Card

05 RTK Solution

※ GPS GLONASS BEIDOU GALILEO QZSS IRNSS

※ R : ROM F : FLASH

RTK L1+L5 Module		Satellite										P / R / Y	Position Accuracy	VCC	Interface	Dimension (mm)	
		L1	L5	L1	L5	L1	L5	L1	L5	L1	L5						
	RTK-1010				-							-		0.01m+1ppm < 1.5 m CEP (Autonomous)	3.3V	UART	10.1 x 9.7 x 2.2
	RTK-1612				-							-		0.01m+1ppm < 1.5 m CEP (Autonomous)	3.3V	UART	16 x 12.2 x 2.4
	BKR-1612				-									GNSS: 1m CEP RTK: 1cm+1ppm (CEP50)	3.3V	UART	16 x 12.2 x 2.4
	SOR-1612				-							-		GNSS: 1m CEP RTK: 1cm+1ppm (CEP50)	3.3V	UART	16 x 12.2 x 2.4

Hot!



RTK-1010

Hot!



RTK-1612

NEW!



BKR-1612

NEW!



SOR-1612

RTK + DR Module			Satellite						P / R / Y	DR Function	Position Accuracy	VCC	Interface	Dimension (mm)
	RTK-1612AD-DR							-		UDR	0.01m+1ppm < 1.5 m CEP (Autonomous)	3.3V	UART	16 x 12.2 x 2.4
	RTK-1612AB-DR							-		UDR	0.01m+1ppm < 1.5 m CEP (Autonomous)	3.3V	UART	16 x 12.2 x 2.4

Hot!



RTK-1612AD-DR

NEW!



RTK-1612AB-DR

RTK board (L1+L5)	Satellite								IRSS	MEMS Accuracy for drone	UBX binary for drone	Heading Accuracy	Position Accuracy	VCC	Interface	Dimension (mm)
	L1	L5	L1	L5	L1	L5	L1	L5								
RTK-4057-MHPD	●	●	●	-	●	●	●	●	-			0.1°	0.01m+1ppm < 1.5 m CEP (Autonomous)	3.3V	USB	57 x 40 x 1
RTK-DUAL-A	●	●	●	-	●	●	●	●	-			0.1°	0.01m+1ppm < 1.5 m CEP (Autonomous)	3.3V	UART	50 x 42 x 21
Hot! RTK-DUAL-B	●	●	●	-	●	●	●	●	-	✓		0.1°	0.01m+1ppm < 1.5 m CEP (Autonomous)	3.3V	UART	50 x 42 x 21
Hot! RTK-DUAL-C	●	●	●	-	●	●	●	●	-		✓	0.1°	0.01m+1ppm < 1.5 m CEP (Autonomous)	3.3V	UART	50 x 42 x 21

Hot!



RTK-DUAL



GNSS-DUAL



RTK-4057-MHPD

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

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					-							-		Andriod	0.01m+1ppm < 1.5 m CEP (Autonomous)	3.3V	USB TypeC	37.85 x 27.5 x 13

Hot!



RTK-15D

RTK System		Satellite												4G LTE	Ethernet	Position Accuracy	VCC	Interface	Dimension (mm)																																																																																																																																																																																							
		L1	L2	L5	L1	L2	L5	L1	L2	L5	L1	L2	L5																																																																																																																																																																																													
 RTK-M300		-			-	-		-			-			-																																																																																																																																																																																												

Hot!

NEW!



RTK-M300 / RTK-M980

NEW!



RTK-GB10

NEW!



RTK-GB30

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	●	●	●	-	●	●	●	●	●	●	-	-	0.01m+1ppm < 1.5 m CEP (Autonomous)	3.3V	TTL	46 x 46 x 72.5
Hot! HAWK-R2	●	●	●	-	●	●	●	●	●	●	-	✓	0.01m+1ppm < 1.5 m CEP (Autonomous)	3.3V	TTL	46 x 46 x 72.5



HAWK

RTK Antenna	Satellite												Antenna Type	VDC	Interface	Dimension (mm)
	L1	L2	L5	L1	L2	L5	L1	L2	L5	L1	L2	L5				
LH-105A2-B	●	-	●	●	-	-	●	-	●	●	-	●	Helix (L1+L5)	2 ~ 6V	SMA	27.5 (D) x 59 (H)
LH-105AR-D	●	-	●	●	-	-	●	-	●	●	-	●	Helix (L1+L5)	3 ~ 12V	SMA	43.5 (D) x 40.8 (H)
LH-105AR-DC	●	-	●	●	-	-	●	-	●	●	-	●	Helix (L1+L5)	3 ~ 12V	SMA	48 (D) x 33 (H)
NEW! LH-1256AR-D	●	●	●	●	-	-	●	●	●	●	-	●	Helix (L1+L2+L5)	3 ~ 12V	SMA	43.5 (D) x 40.8 (H)
LP-105AR-C	●	-	●	●	-	-	●	-	●	●	-	●	Patch (L1+L5)	3 ~ 5V	SMA	86.8 x 65 x 23
LS-125-A	●	●	●	●	-	-	●	●	●	●	-	●	Survey (L1+L2+L5)	3 ~ 12V	SMA	Φ160 x 66.5
NEW! LS-125F-A	●	●	●	●	-	-	●	●	●	●	-	●	Survey (L1+L2+L5)	3 ~ 12V	SMA	Φ132 x 55.14



LH-105A2-B



LH-105AR-D



LH-105AR-C

NEW!



LH-1256AR-D



LP-105AR-C



LS-125-A

NEW!



LS-125F-A

RTK Receiver for drone	Satellite								E-COMPASS	Position Accuracy	VCC	Interface	Dimension (mm)				
	L1	L5	L1	L5	L1	L5	L1	L5									
LS23231				-							-		0.01m + 1ppm CEP (horizontal) 0.015m + 1ppm CEP (vertical)	5V	TTL	41.2 x 49.2 x 45	
RTK Receiver for UDR	Satellite								Position Accuracy	VCC	Interface	Connector	Dimension (mm)				
	L1	L5	L1	L5	L1	L5	L1	L5									
LS23236				-							-		0.01m + 1ppm CEP (horizontal) 0.015m + 1ppm CEP (vertical)	5V	TTL	RJ11	41.2 x 49.2 x 45



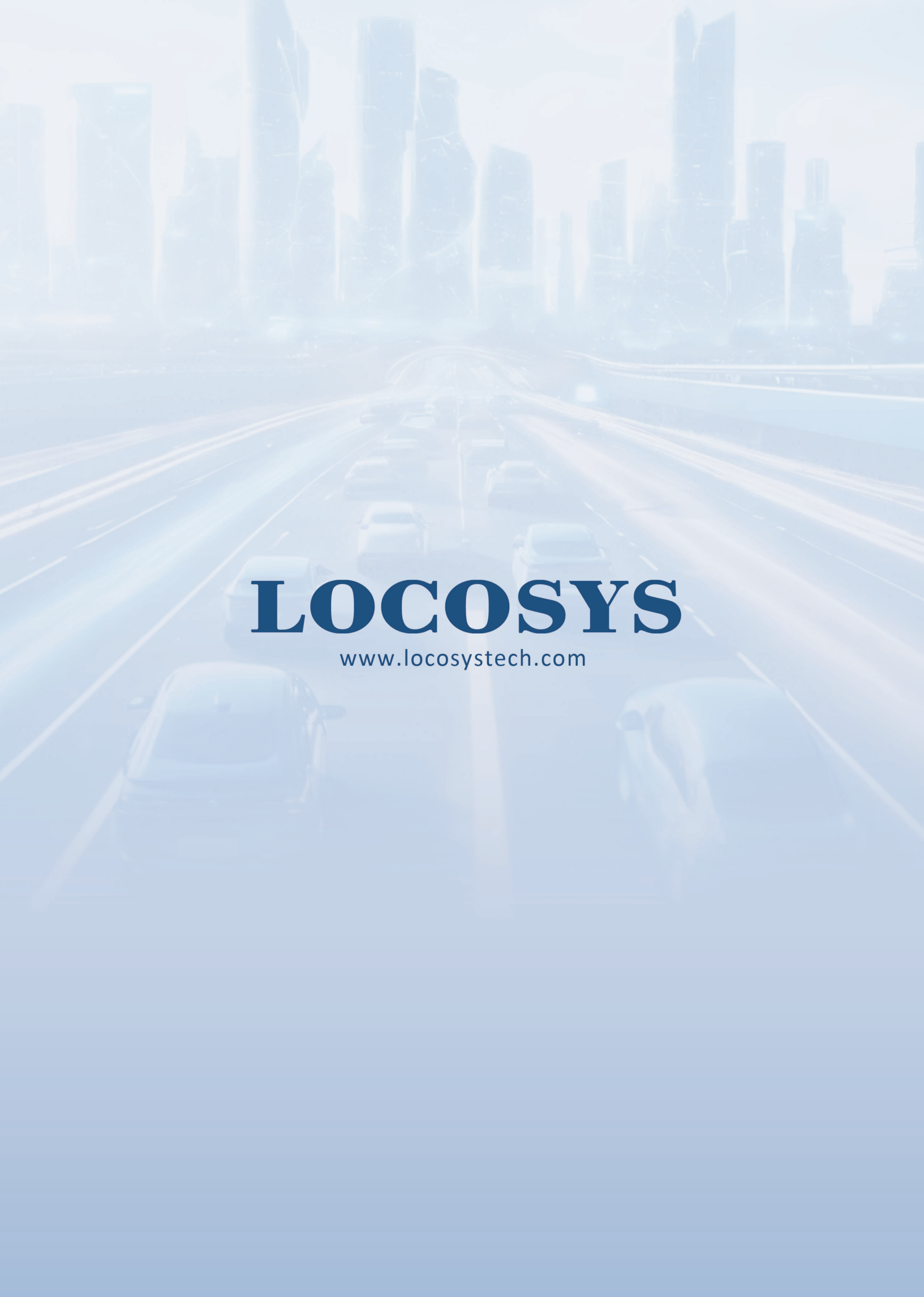
LS23231 / LS23236

06 USB Dongle

USB Dongle		Satellite										Memory	Position Accuracy	VCC	Interface	Dimension (mm)
		L1	L5	L1	L5	L1	L5	L1	L5	L1	L5					
NEW ! UB-52Q												F	1.5m	3.3V	USB	85.5 x 32.95 x 19.35
NEW ! UB-V2b												F	1.5m	3.3V	USB	85.5 x 32.95 x 19.35
NEW ! UB-15R												F	0.01m+1ppm < 1.5 m CEP (Autonomous)	3.3V	USB	85.5 x 32.95 x 19.35
NEW ! UB-35AD												F	1.5m	3.3V	USB	85.5 x 32.95 x 19.35
NEW ! UB-R35AD												F	0.01m+1ppm < 1.5 m CEP (Autonomous)	3.3V	USB	85.5 x 32.95 x 19.35



USB Dongle



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