LOCOSYS

Standard Modules

Sub-meter(L1+L5)

<1m (CEP)

GPS Modules	GP	QZSS	GA	GL	BD	Flash	ROM	Position Accuracy	Interface	Application	Dimension(mm)
MTK											
MC-1010-2RE	●	●					○	2.5m (CEP)	UART	❶ ❷ ❹	10.1 x 9.7 x 2.0
MC-1513-2RE	●	●					○	3m (2D RMS)	UART	❶ ❷ ❹	15.0 x 13.0 x 2.2
MC-1612-2RE	●	●					○	3m (2D RMS)	UART	❶ ❷ ❹	16.0 x 12.2 x 2.2
MC-1010	●	●				○		2.5m (CEP)	UART	❶ ❷ ❹	10.1 x 9.7 x 2.0
MC-1513	●	●				○		3m (2D RMS)	UART/I2C	❶ ❷ ❹	15.0 x 13.0 x 2.2
MC-1612	●	●				○		3m (2D RMS)	UART	❶ ❷ ❹	16.0 x 12.2 x 2.2
CRF(SiRF)											
S4-0606	●	●					○	3m (2D RMS)	UART/I2C/SPI	❶ ❷ ❹	6.0 x 6.0 x 1.35
S4-1513-2R	●	●					○	< 2.5m (CEP)	UART	❶ ❷ ❹	15.0 x 13.0 x 2.2
S4-1612-2R	●	●					○	< 2.5m (CEP)	UART	❶ ❷ ❹	16.0 x 12.2 x 2.2
S4-1513	●	●				○		3m (2D RMS)	UART	❶ ❷ ❹	15.0 x 13.0 x 2.2
S4-1613	●	●				○		< 2.5m (CEP)	UART	❶ ❷ ❹	15.9 x 13.1 x 2.2
S4-1513-2E	●	●				○		< 2.5m (CEP)	UART	❶ ❷ ❹	15.0 x 13.0 x 2.2
S4-1612-2E	●	●				○	○	< 2.5m (CEP)	UART	❶ ❷ ❹	16.0 x 12.2 x 2.2
HED											
HD-1010	●	●				○		2.5m (CEP)	UART	❶ ❷ ❸ ❹	10.1 x 9.7 x 2.2
HD-1612	●	●				○		2.5m (CEP)	UART	❶ ❷ ❸ ❹	16.0 x 12.2 x 2.2

※ **Application :** ❶ HandHeld ❷ Automotive ❸ Drone ❹ Marine ❺ Timing

※ : **Hot selling**

GNSS Modules	GP	QZSS	GA	GL	BD	Flash	ROM	Position Accuracy	Interface	Application	Dimension(mm)
MTK											
MC-1010-G	●	●	●	●		○		2.5m (CEP)	UART	❶ ❷ ❹	10.1 x 9.7 x 2.0
MC-1010-B	●	●	●		●	○		2.5m (CEP)	UART	❶ ❷ ❹	10.1 x 9.7 x 2.0
MC-1513-G	●	●	●	●		○		1.2m (CEP)	UART/I2C	❶ ❷ ❹	15.0 x 13.0 x 2.2
MC-1513-B	●	●	●		●	○		2.5m (CEP)	UART/I2C	❶ ❷ ❹	15.0 x 13.0 x 2.2
MC-1612-G	●	●	●	●		○		1.2m (CEP)	UART	❶ ❷ ❹ ❺	16.0 x 12.2 x 2.2
MC-1612-B	●	●	●		●	○		2.5m (CEP)	UART	❶ ❷ ❹ ❺	16.0 x 12.2 x 2.2
MC-1612-G2	●	●	●	●		○		1.2m (CEP)	UART	❶ ❷ ❹ ❺	16.0 x 12.2 x 2.2
MC-1612-B2	●	●	●		●	○		2.5m (CEP)	UART	❶ ❷ ❹ ❺	16.0 x 12.2 x 2.2
MC-1722-G	●	●	●	●		○		2.5m(CEP)	UART	❶ ❷ ❹	17.0 x 22.4 x 2.2
MC-1722-B	●	●	●		●	○		2.5m(CEP)	UART	❶ ❷ ❹	17.0 x 22.4 x 2.2
STMicro											
ST-1612i-G	●	●	●	●		○		1.8m(CEP)	UART	❶ ❷ ❹	16.0 x 12.2 x 2.4
ST-1612i-B	●	●	●		●	○		1.8m(CEP)	UART	❶ ❷ ❹	16.0 x 12.2 x 2.4
HED											
HD-1010-GA	●	●	●	●		○		2.5m (CEP)	UART	❶ ❷ ❹	10.1 x 9.7 x 2.2
HD-1010-BA	●	●	●		●	○		2.5m (CEP)	UART	❶ ❷ ❹	10.1 x 9.7 x 2.2
HD-1612-BA	●	●	●		●	○		2.5m (CEP)	UART	❶ ❷ ❹	16.0 x 12.2 x 2.2

※ **Application :** ❶ HandHeld ❷ Automotive ❸ Drone ❹ Marine ❺ Timing

※ : **Hot selling**

Sub-meter Modules	GP	QZSS	GA	GL	BD	IR	Flash	ROM	Position Accuracy	Interface	Application	Dimension(mm)
MTK +1.8V												
MC-1010-V2a	●	●	●	●	●		○		< 1m (CEP)	UART	❶ ❷ ❸ ❹	10.1 x 9.7 x 2.2
MC-1010-V3a	●	●	●	●	●	●	○		< 1m (CEP)	UART	❶ ❷ ❸ ❹	10.1 x 9.7 x 2.2

Sub-meter Modules	GP	QZSS	GA	GL	BD	IR	Flash	ROM	Position Accuracy	Interface	Application	Dimension(mm)
MTK +3.3V												
MC-1010-V2b	●	●	●	●	●		○		< 1m (CEP)	UART	❶ ❷ ❸ ❹	10.1 x 9.7 x 2.2
MC-1010-V3b	●	●	●	●	●	●	○		< 1m (CEP)	UART	❶ ❷ ❸ ❹	10.1 x 9.7 x 2.2
MC-1612-V2b	●	●	●	●	●		○		< 1m (CEP)	UART	❶ ❷ ❹	16.0 x 12.2x 2.4
MC-1612-V3b	●	●	●	●	●	●	○		< 1m (CEP)	UART	❶ ❷ ❹	16.0 x 12.2x 2.4
HED +3.3V												
HD-1612-BV1	●	●	●	●	●		○		< 1m (CEP)	UART	❶ ❷ ❹	16.0 x 12.2x 2.4
HD-1612-BV2	●	●	●	●	●		○		< 1m (CEP)	UART	❶ ❷ ❹	16.0 x 12.2x 2.4
HD-1612-BV3	●	●	●	●	●	●	○		< 1m (CEP)	UART	❶ ❷ ❹	16.0 x 12.2x 2.4

※ **Application :** ❶ HandHeld ❷ Automotive ❸ Drone ❹ Marine ❺ Timing

※ : **Hot selling**

LOCOSYS

Smart Antenna
Sub-Meter Antenna

GPS Smart Antenna	GP	QZSS	GA	GL	BD	Flash	ROM	Position Accuracy	Interface	Application	Dimension(mm)
MTK											
LS2003C	●	●				○		3m (2D RMS)	UART	❶ ❷ ❹	15.5 x 15.5 x 6.6
LS2003C-2RE	●	●					○	3m (2D RMS)	UART	❶ ❷ ❹	15.5 x 15.5 x 6.6
LS2003D	●	●				○		3m (2D RMS)	UART	❶ ❷ ❹	21.0 x 17.0 x 7.2
LS2003D-2RE	●	●					○	3m (2D RMS)	UART	❶ ❷ ❹	21.0 x 17.0 x 7.2
LS2003E	●	●				○		1.2m (CEP)	UART	❶ ❷ ❹	22.0 x 22.0 x 8.4
LS2003E-2RE	●	●					○	1.2m (CEP)	UART	❶ ❷ ❹	22.0 x 22.0 x 8.4
LS2003J-2RE	●	●					○	3m (2D RMS)	UART	❶ ❷ ❹	16.0 x 12.2 x 2.8
LS2003H-2RE	●	●					○	3m (CEP)	UART	❶ ❷ ❹	14.0 x 9.6 x 1.93
LS20030	●	●				○		3m(2D RMS)	USB	❶ ❷ ❹	30.0 x 30.0 x 8.0
LS20031	●	●				○		3m(2D RMS)	TTL	❶ ❷ ❹	30.0 x 30.0 x 8.0
LS20032	●	●				○		3m(2D RMS)	RS232	❶ ❷ ❹	30.0 x 30.0 x 8.0
LS20030-2RE	●	●					○	3m(2D RMS)	USB	❶ ❷ ❹	30.0 x 30.0 x 8.0
LS20031-2RE	●	●					○	3m(2D RMS)	TTL	❶ ❷ ❹	30.0 x 30.0 x 8.0
LS20032-2RE	●	●					○	3m(2D RMS)	RS232	❶ ❷ ❹	30.0 x 30.0 x 8.0
HED											
LS2008E	●	●				○		2.5m (CEP)	UART	❶ ❷ ❹	22.0 x 22.0 x 7.5

※ **Application :** ❶ HandHeld ❷ Automotive ❸ Drone ❹ Marine ❺ Timing

※ : Hot selling

GNSS Smart Antenna	GP	QZSS	GA	GL	BD	Flash	ROM	Position Accuracy	Interface	Application	Dimension(mm)
MTK											
LS2003J-G	●	●	●	●		○		2.5m (CEP)	UART	❶ ❷ ❹	16.0 x 12.2 x 2.8
LS2003C-G	●	●	●	●		○		1.2m (CEP)	UART	❶ ❷ ❹	15.5 x 15.5 x 6.0
LS2003D-G	●	●	●	●		○		1.2m (CEP)	UART	❶ ❷ ❹	15.5 x 15.5 x 6.0
LS2003E-G	●	●	●	●		○		1.2m (CEP)	UART	❶ ❷ ❹	22.0 x 22.0 x 8.4
LS2003G-G-T	●	●	●	●		○		2.5 m (CEP)	TTL	❶ ❷ ❸ ❹	30.0 x 30.0 x 8.0
LS2003G-G-R	●	●	●	●		○		2.5 m (CEP)	RS232	❶ ❷ ❸ ❹	30.0 x 30.0 x 8.0
LS2003G-G2-T	●	●	●	●		○		2.5 m (CEP)	TTL	❶ ❷ ❸ ❹ ❺	30.0 x 30.0 x 8.0
LS2003G-G2-R	●	●	●	●		○		2.5 m (CEP)	RS232	❶ ❷ ❸ ❹ ❺	30.0 x 30.0 x 8.0
LS2003G-B2-T	●	●	●		●	○		2.5 m (CEP)	TTL	❶ ❷ ❸ ❹ ❺	30.0 x 30.0 x 8.0
LS2003G-B2-R	●	●	●		●	○		2.5 m (CEP)	RS232	❶ ❷ ❸ ❹ ❺	30.0 x 30.0 x 8.0
LS20030-G	●	●	●	●		○		2.5m (CEP)	USB	❶ ❷ ❸ ❹	30.0 x 30.0 x 8.0
LS20031-G	●	●	●	●		○		2.5m (CEP)	TTL	❶ ❷ ❸ ❹	30.0 x 30.0 x 8.0
LS20032-G	●	●	●	●		○		2.5m (CEP)	RS232	❶ ❷ ❸ ❹	30.0 x 30.0 x 8.0

※ **Application :** ❶ HandHeld ❷ Automotive ❸ Drone ❹ Marine ❺ Timing

※ : **Hot selling**

GNSS Smart Antenna	GP	QZSS	GA	GL	BD	Flash ROM	Position Accuracy	Interface	Application	Dimension(mm)
MTK										
LS20030-B	●	●	●		●	○	2.5m (CEP)	USB	❶ ❷ ❸ ❹	30.0 x 30.0 x 8.0
LS20031-B	●	●	●		●	○	2.5m (CEP)	TTL	❶ ❷ ❸ ❹	30.0 x 30.0 x 8.0
LS20032-B	●	●	●		●	○	2.5m (CEP)	RS232	❶ ❷ ❸ ❹	30.0 x 30.0 x 8.0
LS20030U-G	●	●	●	●		○	2.5m (CEP)	USB	❶ ❷ ❸ ❹ ❺	30.0 x 30.0 x 8.0
LS20031U-G	●	●	●	●		○	2.5m (CEP)	TTL	❶ ❷ ❸ ❹ ❺	30.0 x 30.0 x 8.0
LS20032U-G	●	●	●	●		○	2.5m (CEP)	RS232	❶ ❷ ❸ ❹ ❺	30.0 x 30.0 x 8.0
LS20030U-B	●	●	●		●	○	2.5m (CEP)	USB	❶ ❷ ❸ ❹ ❺	30.0 x 30.0 x 8.0
LS20031U-B	●	●	●		●	○	2.5m (CEP)	TTL	❶ ❷ ❸ ❹ ❺	30.0 x 30.0 x 8.0
LS20032U-B	●	●	●		●	○	2.5m (CEP)	RS232	❶ ❷ ❸ ❹ ❺	30.0 x 30.0 x 8.0
HED										
LS2008E-G	●	●	●	●	●	○	< 2.5m (CEP)	UART	❶ ❷ ❹	22.0 x 22.0 x 7.5
STMicro										
LS2009G-G-T	●	●	●	●		○	< 1.6m (CEP)	TTL	❶ ❷ ❸ ❹	30.0 x 30.0 x 8.0
LS2009G-G-R	●	●	●	●		○	< 1.6m (CEP)	RS232	❶ ❷ ❸ ❹	30.0 x 30.0 x 8.0

※ **Application :** ❶ HandHeld ❷ Automotive ❸ Drone ❹ Marine ❺ Timing

※ : **Hot selling**

Sub-meter Smart Antenna	GP	QZSS	GA	GL	BD	IR	Flash	ROM	Position Accuracy	Interface	Application	Dimension(mm)
MTK												
LS20030-V2	●	●	●	●	●		○		< 1m (CEP)	USB	❶ ❷ ❹ ❺	30.0 x 30.0 x 8.0
LS20031-V2	●	●	●	●	●		○		< 1m (CEP)	TTL	❶ ❷ ❹ ❺	30.0 x 30.0 x 8.0
LS20032-V2	●	●	●	●	●		○		< 1m (CEP)	RS232	❶ ❷ ❹ ❺	30.0 x 30.0 x 8.0
LS20030-V3	●	●	●	●	●	●	○		< 1m (CEP)	USB	❶ ❷ ❹ ❺	30.0 x 30.0 x 8.0
LS20031-V3	●	●	●	●	●	●	○		< 1m (CEP)	TTL	❶ ❷ ❹ ❺	30.0 x 30.0 x 8.0
LS20032-V3	●	●	●	●	●	●	○		< 1m (CEP)	RS232	❶ ❷ ❹ ❺	30.0 x 30.0 x 8.0
HED												
LS20080-BV2	●	●	●	●	●		○		< 1m (CEP)	USB	❶ ❷ ❹ ❺	30.0 x 30.0 x 8.0
LS20081-BV2	●	●	●	●	●		○		< 1m (CEP)	TTL	❶ ❷ ❹ ❺	30.0 x 30.0 x 8.0
LS20082-BV2	●	●	●	●	●		○		< 1m (CEP)	RS232	❶ ❷ ❹ ❺	30.0 x 30.0 x 8.0
LS20080-BV3	●	●	●		●	●	○		< 1m (CEP)	USB	❶ ❷ ❹ ❺	30.0 x 30.0 x 8.0
LS20081-BV3	●	●	●		●	●	○		< 1m (CEP)	TTL	❶ ❷ ❹ ❺	30.0 x 30.0 x 8.0
LS20082-BV3	●	●	●		●	●	○		< 1m (CEP)	RS232	❶ ❷ ❹ ❺	30.0 x 30.0 x 8.0

※ **Application :** ❶ HandHeld ❷ Automotive ❸ Drone ❹ Marine ❺ Timing

※ : **Hot selling**

LOCOSYS

GPS Mouse	GP	QZSS	GA	GL	BD	Position Accuracy	Interface	Connector	Application	Dimension(mm)
MTK										
LS23030	●	●				2.5m	USB	USB	❷ ❸ ❹	49.0 x 41.0 x 14.1
LS23032	●	●				2.5m	RS232	PS2	❷ ❸ ❹	49.0 x 41.0 x 14.1
LS23033	●	●				2.5m	RS232	RJ11	❷ ❸ ❹	49.0 x 41.0 x 14.1
LS23035	●	●				2.5m	RS232	PS2	❷ ❸ ❹	49.0 x 41.0 x 14.1
LS23036	●	●				2.5m	RS232	RJ11	❷ ❸ ❹	49.0 x 41.0 x 14.1
LS23030-2RE	●	●				2.5m	USB	USB	❷ ❸ ❹	49.0 x 41.0 x 14.1
LS23032-2RE	●	●				2.5m	RS232	PS2	❷ ❸ ❹	49.0 x 41.0 x 14.1
LS23033-2RE	●	●				2.5m	RS232	RJ11	❷ ❸ ❹	49.0 x 41.0 x 14.1
LS23035-2RE	●	●				2.5m	RS232	PS21	❷ ❸ ❹	49.0 x 41.0 x 14.1
LS23036-2RE	●	●				2.5m	RS232	RJ11	❷ ❸ ❹	49.0 x 41.0 x 14.1

※ **Application :** ❶ HandHeld ❷ Automotive ❸ Drone ❹ Marine ❺ Timing

※ : **Hot selling**

GNSS Mouse	GP	QZSS	GA	GL	BD	Position Accuracy	Interface	Connector	Application	Dimension(mm)
MTK										
LS23030-G	●	●	●	●		2.5m	USB	USB	❷ ❹	49.0 x 41.0 x 14.1
LS23032-G	●	●	●	●		2.5m	RS232	PS2	❷ ❹	49.0 x 41.0 x 14.1
LS23033-G	●	●	●	●		2.5m	RS232	RJ11	❷ ❹	49.0 x 41.0 x 14.1
LS23035-G	●	●	●	●		2.5m	RS232	PS2	❷ ❹	49.0 x 41.0 x 14.1
LS23036-G	●	●	●	●		2.5m	RS232	RJ11	❷ ❹	49.0 x 41.0 x 14.1
STMicro										
LS23092-G	●	●	●	●		1.6m	RS232	PS2	❶ ❷ ❹	49.0 x 41.0 x 14.1
LS23093-G	●	●	●	●		1.6m	RS232	RJ11	❶ ❷ ❹	49.0 x 41.0 x 14.1
LS23095-G	●	●	●	●		1.6m	RS232	PS2	❶ ❷ ❹	49.0 x 41.0 x 14.1
LS23096-G	●	●	●	●		1.6m	RS232	RJ11	❶ ❷ ❹	49.0 x 41.0 x 14.1
LS23092-G2	●	●	●	●		1.6m	RS232	PS2	❶ ❷ ❹	49.0 x 41.0 x 14.1
LS23093-G2	●	●	●	●		1.6m	RS232	RJ11	❶ ❷ ❹	49.0 x 41.0 x 14.1
LS23095-G2	●	●	●	●		1.6m	RS232	PS2	❶ ❷ ❹	49.0 x 41.0 x 14.1
LS23096-G2	●	●	●	●		1.6m	RS232	RJ11	❶ ❷ ❹	49.0 x 41.0 x 14.1

※ **Application :** ❶ HandHeld ❷ Automotive ❸ Drone ❹ Marine ❺ Timing

※ : **Hot selling**

Dead Reckoning Mouse	GP	QZSS	GA	GL	BD	Position Accuracy	Interface	Connector	Application	Dimension(mm)
MTK										
LS23030-UDG	●	●	●	●		2.5m	USB	USB	❷ ❸	49.0 x 41.0 x 14.1
LS23032-UDG	●	●	●	●		2.5m	RS232	PS2	❷ ❸	49.0 x 41.0 x 14.1
LS23035-UDG	●	●	●	●		2.5m	RS232	PS2	❷ ❸	49.0 x 41.0 x 14.1
LS23036-UDG	●	●	●	●		2.5m	RS232	RJ11	❷ ❸	49.0 x 41.0 x 14.1

※ **Application :** ❶ HandHeld ❷ Automotive ❸ Drone ❹ Marine ❺ Timing

※ : **Hot selling**

Sub-meter Mouse	GP	QZSS	GA	GL	BD	IR	Position Accuracy	Interface	Connector	Application	Dimension(mm)
MTK											
LS23030-V2	●	●	●	●	●		< 1m	USB	USB	❶ ❷ ❹ ❺	49.0 x 41.0 x 14.1
LS23032-V2	●	●	●	●	●		< 1m	RS232	PS2	❶ ❷ ❹ ❺	49.0 x 41.0 x 14.1
LS23033-V2	●	●	●	●	●		< 1m	RS232	RJ11	❶ ❷ ❹ ❺	49.0 x 41.0 x 14.1
LS23035-V2	●	●	●	●	●		< 1m	RS232	PS2	❶ ❷ ❹ ❺	49.0 x 41.0 x 14.1
LS23036-V2	●	●	●	●	●		< 1m	RS232	RJ11	❶ ❷ ❹ ❺	49.0 x 41.0 x 14.1
LS23030-V3	●	●	●	●	●	●	< 1m	USB	USB	❶ ❷ ❹ ❺	49.0 x 41.0 x 14.1
LS23032-V3	●	●	●	●	●	●	< 1m	RS232	PS2	❶ ❷ ❹ ❺	49.0 x 41.0 x 14.1
LS23033-V3	●	●	●	●	●	●	< 1m	RS232	RJ11	❶ ❷ ❹ ❺	49.0 x 41.0 x 14.1
LS23035-V3	●	●	●	●	●	●	< 1m	RS232	PS2	❶ ❷ ❹ ❺	49.0 x 41.0 x 14.1
LS23036-V3	●	●	●	●	●	●	< 1m	RS232	RJ11	❶ ❷ ❹ ❺	49.0 x 41.0 x 14.1

※ **Application :** ❶ HandHeld ❷ Automotive ❸ Drone ❹ Marine ❺ Timing

※ : **Hot selling**

Sub-meter Mouse	GP	QZSS	GA	GL	BD	IR	Position Accuracy	Interface	Connector	Application	Dimension(mm)
HED											
LS23080-BV2	●	●	●	●	●		< 1m	USB	USB	❶ ❷ ❹ ❺	49.0 x 41.0 x 14.1
LS23082-BV2	●	●	●	●	●		< 1m	RS232	PS2	❶ ❷ ❹ ❺	49.0 x 41.0 x 14.1
LS23083-BV2	●	●	●	●	●		< 1m	RS232	RJ11	❶ ❷ ❹ ❺	49.0 x 41.0 x 14.1
LS23085-BV2	●	●	●	●	●		< 1m	RS232	PS2	❶ ❷ ❹ ❺	49.0 x 41.0 x 14.1
LS23086-BV2	●	●	●	●	●		< 1m	RS232	RJ11	❶ ❷ ❹ ❺	49.0 x 41.0 x 14.1
LS23080-BV3	●	●		●	●	●	< 1m	USB	USB	❶ ❷ ❹ ❺	49.0 x 41.0 x 14.1
LS23082-BV3	●	●		●	●	●	< 1m	RS232	PS2	❶ ❷ ❹ ❺	49.0 x 41.0 x 14.1
LS23083-BV3	●	●		●	●	●	< 1m	RS232	RJ11	❶ ❷ ❹ ❺	49.0 x 41.0 x 14.1
LS23085-BV3	●	●		●	●	●	< 1m	RS232	PS2	❶ ❷ ❹ ❺	49.0 x 41.0 x 14.1
LS23086-BV3	●	●		●	●	●	< 1m	RS232	RJ11	❶ ❷ ❹ ❺	49.0 x 41.0 x 14.1

※ **Application :** ❶ HandHeld ❷ Automotive ❸ Drone ❹ Marine ❺ Timing

※ : **Hot selling**

LOCOSYS

Dead Reckoning Technology

Dead Reckoning Modules	GP	QZSS	GA	GL	BD	Flash ROM	Position Accuracy	Dead Reckoning	P/ R/ Y	Interface	Application	Dimension(mm)
MTK												
MC-1612-DG (ADR/UDR)	●	●	●	●		○	2.5m (CEP) 0.5% (ADR) 5% (UDR)	○	○	UART	❶ ❷ ❸	16.0 x 12.2 x 2.4
MC-1612-DB (ADR/UDR)	●	●	●		●	○	2.5m (CEP) 0.5% (ADR) 5% (UDR)	○	○	UART	❶ ❷ ❸	16.0 x 12.2 x 2.4
STMicro												
ST-1612i-DGO (ADR)	●	●	●	●		○	1.8m (CEP) 0.5% (ADR)	○		ODO	❷	16.0 x 12.2 x 2.3
ST-1612i-DGU (UDR)	●	●	●	●		○	1.8m (CEP) 5% (UDR)	○		UART	❷	16.0 x 12.2 x 2.3
ST-1612i-DBO (ADR)	●	●	●		●	○	1.8m (CEP) 0.5% (ADR)	○		ODO	❷	16.0 x 12.2 x 2.3
ST-1612i-DBU (UDR)	●	●	●		●	○	1.8m (CEP) 5% (UDR)	○		UART	❷	16.0 x 12.2 x 2.3
ST-1612r-DGO (ADR)	●	●	●	●		○	1.8m (CEP) 0.5% (ADR)	○	○	ODO	❷	16.0 x 12.2 x 2.3
ST-1612r-DGU (UDR)	●	●	●	●		○	1.8m (CEP) 5% (UDR)	○	○	UART	❷	16.0 x 12.2 x 2.3
ST-1612r-DBO (ADR)	●	●	●		●	○	1.8m (CEP) 0.5% (ADR)	○	○	ODO	❷	16.0 x 12.2 x 2.3
ST-1612r-DBU (UDR)	●	●	●		●	○	1.8m (CEP) 5% (ADR)	○	○	UART	❷	16.0 x 12.2 x 2.3

※ ADR /UDR : Automotive Dead Reckoning/ Untethered Dead Reckoning

※ P/ R/ Y : Pitch/ Roll/ Yaw

※ Application : ❶ HandHeld ❷ Automotive ❸ Drone ❹ Marine ❺ Timing

※ ODO : Odometer signal input

※ : Hot selling

Dead Reckoning Modules

	GP	QZSS	GA	GL	BD	Flash	ROM	Position Accuracy	Dead Reckoning	P/ R/ Y	Interface	Application	Dimension(mm)
STMicro (All electrical parts pass AEC-Q100)													
ST-1612A-DGO (ADR)	●	●	●	●		○		1.8m (CEP) 0.5% (ADR)	○		ODO	❷	16.0 x 12.2 x 2.4
ST-1612A-DGU (UDR)	●	●	●	●		○		1.8m (CEP) 5% (UDR)	○		UART	❷	16.0 x 12.2 x 2.4
ST-1612A-DBO (ADR)	●	●	●		●	○		1.8m (CEP) 0.5% (ADR)	○		ODO	❷	16.0 x 12.2 x 2.4
ST-1612A-DBU (UDR)	●	●	●		●	○		1.8m (CEP) 5% (UDR)	○		UART	❷	16.0 x 12.2 x 2.4

DR End Products

	GP	QZSS	GA	GL	BD	Flash	ROM	Position Accuracy	Dead Reckoning	P/ R/ Y	Interface	Application	Dimension(mm)
MTK													
G310 (ADR)	●	●	●	●		○		1.8m (CEP)	○		BT	❶ ❷	96.0 x 63.0 x 14.7
B310 (ADR)	●	●	●		●	○		1.8m (CEP)	○		BT	❶ ❷	96.0 x 63.0 x 14.7
G310-U (UDR)	●	●	●	●		○		2.5m (CEP)	○		BT	❶ ❷	96.0 x 63.0 x 14.7
B310-U (UDR)	●	●	●		●	○		2.5m (CEP)	○		BT	❶ ❷	96.0 x 63.0 x 14.7

※ ADR /UDR : Automotive Dead Reckoning/ Untethered Dead Reckoning

※ P/ R/ Y : Pitch/ Roll/ Yaw

※ Application : ❶ HandHeld ❷ Automotive ❸ Drone ❹ Marine ❺ Timing

※ ODO : Odometer signal input

※ : Hot selling

LOCOSYS

RTK Solution

RTK Modules	GP	QZSS	GA	GL	BD	IR	Position Accuracy	Heading Accuracy	Dead Reckoning	P/ R/ Y	Interface	Application	Dimension(mm)
RTK-1010	●	●	●	●	●	●	0.01m+1ppm	< 0.2deg		○	UART	2 3 4	10.1 x 9.7 x 2.2

RTK Embedded board	GP	QZSS	GA	GL	BD	IR	Position Accuracy	Heading Accuracy	Dead Reckoning	P/ R/ Y	Interface	Application	Dimension(mm)
RTK-4671-MH	●	●	●	●	●		0.01m+1ppm				UART	2 3 4	71.0 x 46.0 x 7.7
RTK-4671-MHDR	●	●	●	●	●		0.01m+1ppm		○		UART	2 3 4	71.0 x 46.0 x 7.7
RTK-4671-MHPD	●	●	●	●	●		0.01m+1ppm	< 0.2deg		○	UART	2 3 4	71.0 x 46.0 x 7.7

RTK USB Dongle	GP	QZSS	GA	GL	BD	IR	Position Accuracy	Heading Accuracy	Dead Reckoning	P/ R/ Y	Interface	Application	Dimension(mm)
RTK-4P	●	●	●		●		0.01m+1ppm				Type C	1	27.5(D) x 95.0(H)

RTK Box (4G-LTE)	GP	QZSS	GA	GL	BD	IR	Position Accuracy	Heading Accuracy	Dead Reckoning	P/ R/ Y	Interface	Application	Dimension(mm)
RTK-M100	●	●		●	●		0.01m+1ppm					1 3	98.0 x 82.0 x 40.0
RTK-M200	●	●		●	●		0.01m+1ppm					1 3	98.0 x 82.0 x 40.0

※ P/ R/ Y : Pitch/ Roll/ Yaw

※ Application : HandHeld Automotive Drone Marine Timing

※ : Hot selling

LOCOSYS

Timing Moudle

PCIe Card

PCIe Card	GP	QZSS	GA	GL	BD	Flash	ROM	Position Accuracy	Interface	Application	Dimension(mm)
MTK											
LS26030	●	●				○		3m (2D RMS)	USB	❶ ❷	50.8 x 28.5 x 3.2
LS26030-2RE	●	●					○	3m (2D RMS)	USB	❶ ❷	50.8 x 28.5 x 3.2
LS26030-B	●	●	●		●	○		2.5m (CEP)	USB	❶ ❷	50.8 x 28.5 x 3.2
LS26030-G	●	●	●	●		○		2.5m (CEP)	USB	❶ ❷	50.8 x 28.5 x 3.2

Mini PCIe Card	GP	QZSS	GA	GL	BD	Flash	ROM	Position Accuracy	Interface	Application	Dimension(mm)
MTK											
LS26031	●	●				○		3m (2D RMS)	USB	❶ ❷	26.65 x 28.5 x 3.2
LS26031-2RE	●	●					○	3m (2D RMS)	USB	❶ ❷	26.65 x 28.5 x 3.2
LS26031-B	●	●	●		●	○		2.5m (CEP)	USB	❶ ❷	26.65 x 28.5 x 3.2
LS26031-G	●	●	●	●		○		2.5m (CEP)	USB	❶ ❷	26.65 x 28.5 x 3.2

※ **Application :** ❶ HandHeld ❷ Automotive ❸ Drone ❹ Marine ❺ Timing

※ **: Hot selling**

Timing module	GP	QZSS	GA	GL	BD	Flash	ROM	Position Accuracy	Interface	Application	Dimension(mm)
STMicro											
ST-1612-T	●			●		○		2.5m (CEP)	UART/I2C USB/CAN Bus	⑤	16.0 x 12.2 x 2.2
ST-1612i-GT	●	●	●	●		○		1.8m (CEP)	UART	⑤	16.0 x 12.2 x 2.4
ST-1612i-GTs	●	●	●	●		○		1.8m (CEP)	USB	⑤	16.0 x 12.2 x 2.4
ST-1612i-BT	●	●	●		●	○		1.8m (CEP)	UART	⑤	16.0 x 12.2 x 2.4
ST-1612i-BTs	●	●	●		●	○		1.8m (CEP)	USB	⑤	16.0 x 12.2 x 2.4

Timing PCIe Card	GP	QZSS	GA	GL	BD	Flash	ROM	Position Accuracy	Interface	Application	Dimension(mm)
STMicro											
LS26090-GT	●	●	●	●		○		1.8m (CEP)	USB	⑤	50.8 x 28.5 x 3.5

Timing Mini PCIe Card	GP	QZSS	GA	GL	BD	Flash	ROM	Position Accuracy	Interface	Application	Dimension(mm)
STMicro											
LS26091-GT	●	●	●	●		○		1.8m (CEP)	USB	⑤	26.65 x 28.5 x 3.5

※ **Application :** ① HandHeld ② Automotive ③ Drone ④ Marine ⑤ Timing

※ : **Hot selling**

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