simpleRTK3B Micro Septentrio

Includes:
– 1 simpleRTK3B Micro board with assembled Septentrio module

More info about the product!

simpleRTK3B Micro Septentrio has several different configurations to provide you with flexibility:

SKU	Variation Name
AS-RTK3B-MICRO-MH-L1L2SMASTD-00	Mosaic-H / SMA / No
AS-RTK3B-MICRO-MH-L1L2SMAEXT-00	Mosaic-H / SMA / ETH+SD+COM3+GP1
AS-RTK3B-MICRO-MH-L1L2UFLSTD-00	Mosaic-H / uFL / No
AS-RTK3B-MICRO-MH-L1L2UFLEXT-00	Mosaic-H / uFL / ETH+SD+COM3+GP1
AS-RTK3B-MICRO-MX-L125SMASTD-00	Mosaic-X5 / SMA / No
AS-RTK3B-MICRO-MX-L125SMAEXT-00	Mosaic-X5 / SMA / ETH+SD+COM3+GP1

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SKU	Variation Name
AS-RTK3B-MICRO-MX-L125UFLSTD-00	Mosaic-X5 / uFL / No
AS-RTK3B-MICRO-MX-L125UFLEXT-00	Mosaic-X5 / uFL / ETH+SD+COM3+GP1

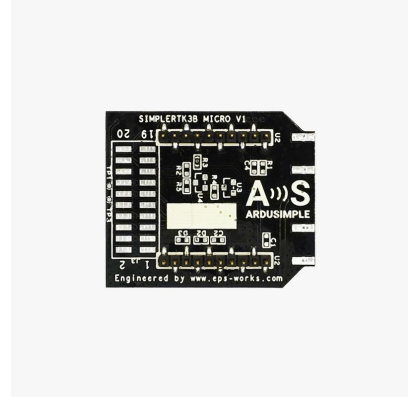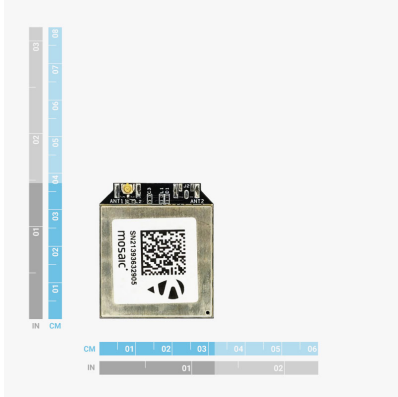Get a discounted bulk price on this product for orders of 50 units or more. Contact us at info@ardusimple.com to get a quote.

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Description

simpleRTK3B Micro Septentrio accelerates your RTK project thanks to its easy to integrate footprint, integrated RF connector & high availability. With Septentrio Mosaic-X5 and Mosaic-H modules. We take care of the RF design and complex module integration so you can focus on your PCB design and the application.

- Smallest Form Factor

- Many Mosaic pins available

- Re-usable: if you do a new PCB you can un-mount from your previous version the expensive GPS!

- Smaller PCB area needed: you can use the space below the module to place other components!

- Easy to solder by hand or machine

- No RF knowledge required, because all RF components are already inside: simply uFL for pigtail connection or long SMA for direct panel mount

- Bulk pricing starting 50 units

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Image Gallery

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Pinout

TOP VIEW

Description	Name	#		#	Name	Description
3.3-3.6V 400mA max	VCC	1		20	N/C	Don't connect
Data out VCC level	TX1	2		19	EXTINT	EXTINT INPUT VCC level
Data in VCC level	RX1	3		18	GPLED	Configurable GPLED out VCC level
Don't connect	N/C	4		17	N/C	Don't connect
Leave open for always ON	RESET	5		16	RX2	Data in VCC level
5V to enable USB	V_USB	6		15	N/C	Don't connect
	USB+	7		14	V_BKCP	V_BCKP
	USB-	8		13	TPS	Timepulse output VCC level
Don't connect	N/C	9		12	TX2	Data out VCC level
Must connect to GND	GND	10		11	GND	Must connect to GND

TOP VIEW (Optional secondary connector)

Description	Name	#		#	Name	Description
Configurable GP1 out VCC level	GP1	2		1	RMII_CLK	LAN PHY Clock
SD card CMD line	SD_CMD	4		3	MDIO	LAN PHY control data
SD card CLK line	SD_CLK	6		5	MDC	LAN PHY control clock
SD card DAT0 line	SD_DAT0	8		7	RMII_RXD1	LAN PHY receive data 1
Must connect to GND	GND	10		9	RMII_RXD0	LAN PHY receive data 0
	TX3	12		11	RMII_CRSDV	LAN PHY CRS
	RX3	14		13	RMII_RXER	LAN PHY RX error
	LOGLED	16		15	RMII_TXEN	LAN PHY transmit enable
Log on/off or mount/unmount SD	LOGBUTTON	18		17	RMII_TXD0	LAN PHY transmit data 0
LAN reset (low to reset the PHY)	nRST_LAN	20		19	RMII_TXD1	LAN PHY transmit data 1

simpleRTK3B Micro Septentrio includes free basic technical support. Contact info@ardusimple.com for more information.

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