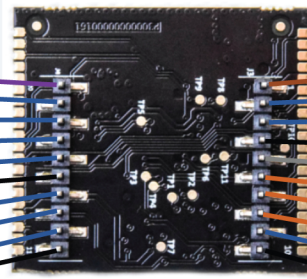




Main Features

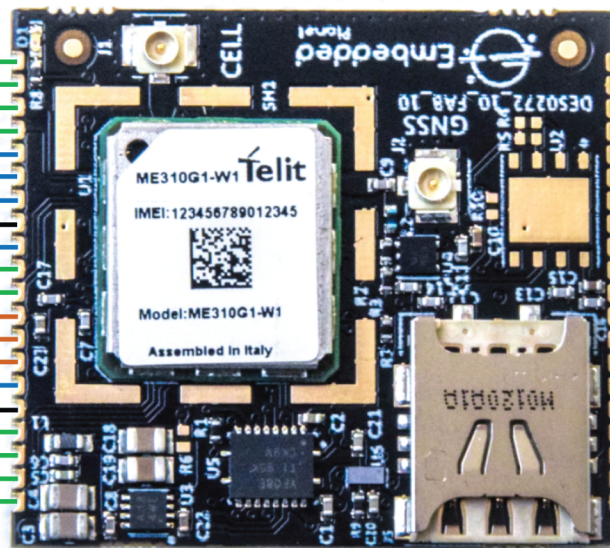
- Cat M1 or NB-IoT cellular modem
- GNSS: GPS, GLONASS, Beidou, Galileo
- Bundled with Telit connectivity SIM & data
- Onboard MCU + mounting options

Pin	Name	Direction	Voltage
20	ON_OFF#	Open Collector	
19	RING	Output	Vcell_ref
18	RX_AUX	Input	Vcell_ref
17	TX_AUX	Output	Vcell_ref
16	RTS	Input	Vcell_ref
15	GND	n/a	
14	Vcell_ref	Input	Vcell_ref
13	PWR_MON	Output	Vcell_ref
12	CTS	Output	Vcell_ref
11	GND	n/a	



Pin	Name	Direction	Voltage
1	Vcell	Input	3.4-4.2V
2	DOUT	Output	Vcell_ref
3	DIN	Input	Vcell_ref
4	GND	n/a	
5	RSVD	Reserved	n/a
6	VUSB	Input	USB
7	USB_DP	I/O	USB
8	USB_DN	I/O	USB
9	DTR	Input	Vcell_ref
10	GND	n/a	

Pin	Name	Direction	Voltage
1	DVI_WA0	I/O	1.8V
2	DVI_RX	Input	1.8V
3	DVI_TX	Output	1.8V
4	DVI_CLK	I/O	1.8V
5	Vcell	Input	3.4-4.2V
6	DOUT	Output	Vcell_ref
7	DIN	Input	Vcell_ref
8	GND	n/a	0V
9	RSVD	Reserved	n/a
10	IO3	I/O	1.8V
11	IO4	I/O	1.8V
12	VUSB	Input	USB
13	USB_DP	I/O	USB
14	USB_DN	I/O	USB
15	DTR	Input	Vcell_ref
16	GND	n/a	0V
17	SPI_CS	I/O	1.8V
18	SPI_MOSI	I/O	1.8V
19	SPI_MISO	I/O	1.8V
20	SPI_CLK	I/O	1.8V



Pin	Name	Direction	Voltage
40	ADC	Input	1.8V
39	GND	n/a	0V
38	GNSS_PPS	Output	1.8V
37	IO1	I/O	1.8V
36	TXD1	Input	1.8V
35	RXD1	Output	1.8V
34	IO2	I/O	1.8V
33	RTS1	Input	1.8V
32	CTS1	Output	1.8V
31	ON_OFF#	O.C.	
30	RING	Output	Vcell_ref
29	DAC	Output	1.8V
28	RX_AUX	Input	Vcell_ref
27	TX_AUX	Output	Vcell_ref
26	RTS	Input	Vcell_ref
25	Vcell_ref	Input	Vcell_ref
24	PWR_MON	Output	Vcell_ref
23	CTS	Output	Vcell_ref
22	CELL_LED	Output	Vcell_ref
21	GND	n/a	0V

Ordering Information

store.embeddedplanet.com
sales@embeddedplanet.com

GNSS Option:	Mounting Style:	Part Number:
With GNSS	Castellated Pins (SMT)	EP-Chronos-GNSS-C
With GNSS	Pin Headers (THT)	EP-Chronos-GNSS-H
Without GNSS	Castellated Pins (SMT)	EP-Chronos-C
Without GNSS	Pin Headers (THT)	EP-Chronos-H