GLYN mPCIe - Standard Board for Wireless Modules for 4G/3G Cellular

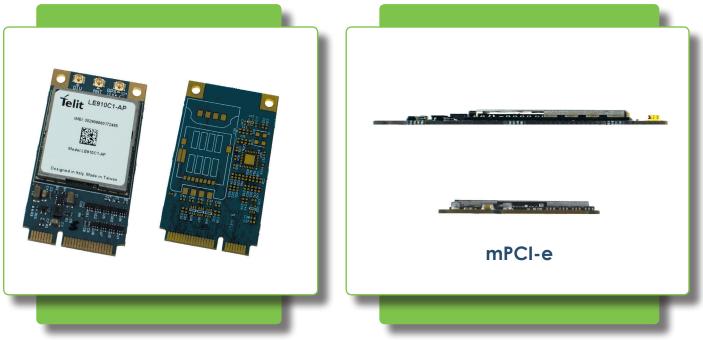*A Glyn OEM RF Module enables you to get to market faster.*

mPCIe is an established high-speed serial computer expansion bus standard form factor. It is a popular interface found on many single board computers and embedded applications.

The Glyn mPCIe form factor allows for a low cost carrier board that is plug and play with the mPCIE standard as well as allowing additional functionality on top. The mPCIe allows for both USB and UART communication.

mPCI-e

With robust connectivity options and faster time to market, the pluggable Cellular modules available from Glyn, allow your new or exsisting product to have the right connectivity solution for any application with a short turnaround and lower development cost.

The Glyn mPCIe uses the xE910 global form factor from Telit which provide a wide range of cellular options, including, LTE Cat4, Cat1, M1, NB-IoT, 2G & 3G.

The Glyn mPCIe comes with multiple on board optional extras to expand the functionality of the module. These extras include options for Active GPS, GPIO, analogue audio and on-board SIM.

Having the standard form factor on the Glyn mPCIe carrier board allows for your product to be deployed world-wide with whatever cellular technology you need.

Part Number Breakdown

MPCI	-xE	Communication protocol. Refer to Telit xE910 range	
	-XXX	Module variant. Embedded GNSS options available	
	-X	Firmware version	
	-A	Option	Active GPS
	-D	Option	Diverstiy (Default for 4G)
	-G	Option	3 x GPIO direction configurable
	-S	Option	SIM holder mounted
	-V	Option	Analogue audio

Specifications

Form Factor	MPCIe 52 pin dual side edge connector	Operating Temperature	-40 to 85° C
Dimensions	51 x 30 x 3.5mm (6mm with SIM holder)	Operating Voltage	3V3
Configuration Method	AT commands	Data Interface	UART/USB
Antenna Options	IPX/u.FL connector	UART Level	3V3

Pinout Table

Top	Pin		Bottom	Top	Pin		Bottom
MIC_P	1	2	3V3	NC	25	26	GND
MIC_N	3	4	GND	GND	27	28	GPIO_3
SPK_P	5	6	GPIO_1	GND	29	30	NC
SPK_N	7	8	UIM_PWR	NC	31	32	UART_RI
GND	9	10	UIM_DATA	MDL_RESET_N	33	34	GND
VCC_MSM26_DIG	11	12	UIM_CLK	GND	35	36	USB_D-
NC	13	14	UIM_RESET	GND	37	38	USB_D+
GND	15	16	GPIO_2	3.3V	39	40	GND
Mechanical Key				3.3V	41	42	LED_WWAN#
				GND	43	44	DCD
NC	17	18	GND	CTS	45	46	DSR
NC	19	20	W_DISABLE#	RTS	47	48	DTR
GND	21	22	RESET	RXD	49	50	GND
NC	23	24	3V3	TXD	51	52	3V3

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