

**DATASHEET**

# XS5G04-GBO\_A-P Data Card



## 5G NR

Standard	3GPP Release 15
SA Bands	n77/78/79
Bandwidth	100 MHz
DL 4x4 MIMO	n77/78/79
UL 2x2 MIMO	n77/78/79

## 4G LTE

LTE Bands	--
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## 3G UMTS/WCDMA

WCDMA Bands	--
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## GPS

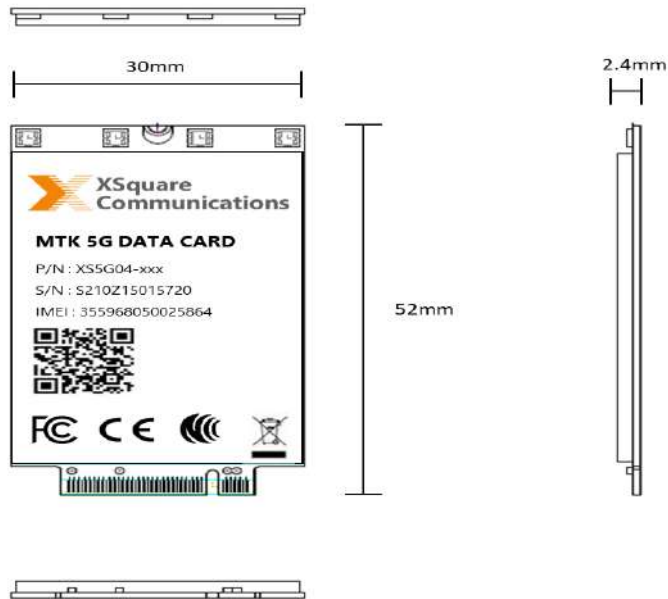
Standard	GPS/GLONASS/BeiDou/Galileo
Frequency Band	L1

## Main Data Through(peak)

5G NR DL/UL	2.3Gbps / 1.25Gbps
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## Certifications

Standard	FCC / CE / JRF&JPA / NCC
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## HardWare

Package	M.2 module (key B)
SOC	MediaTek T700 series (MT6880VU) / Integrates ARM Corex-A55
Flash	MCP 4Gb+4Gb
Power Supply	3.135V-3.63V, typical: 3.3V
Interfaces	PCIE 3.0(2.0) / SIM GPIO (Reset / Power / LED) / UART
RF Antenna port	ANT0: 617 MHz ~ 5000 MHz ANT1: 1805 MHz ~ 5000 MHz ANT2: 1710 MHz ~ 5000 MHz ANT3: 617 MHz ~ 5000 MHz
Dimensions	52mm x 30mm x 2.4mm (Max)
Weight	8.7g
Operation Temp	-30 ~ +70 °C
Storage Temp	-40 ~ +90 °C

## SoftWare

Update / Management.	Firmware update via PCI-e
OS Version.	TBD (Depends on host OS) Module support from Linux 4.19
Drivers	PCI-e



Pin define				
Pin No.	Pin Name		Pin No.	Pin Name
74	+3.3V		75	CONFIG_2 (GND)
72	+3.3V		73	VIO_CFG (NC)
70	+3.3V		71	GND
68	NC		69	CONFIG_1 (GND)
66	SIM Detect (I) (1.8V)		67	RESET# (I) (1.8V)
64	COEX1 (IO) (1.8V)		65	ANTCTL3 (O) (1.8V)
62	COEX2 (IO) (1.8V)		63	ANTCTL2 (O) (1.8V)
60	COEX3 (IO) (1.8V)		61	ANTCTL1 (O) (1.8V)
58	MIPI2_D_SDATA (IO) (1.8V)		59	ANTCTLO (O) (1.8V)
56	MIPI2_D_SCLK (O) (1.8V)		57	GND
54	PEWake# (IO) (3.3/1.8V)		55	REFCLKP
52	CLKREQ# (IO) (3.3/1.8V)		53	REFCLKN
50	PERST# (IO) (3.3/1.8V)		51	GND
48	NC		49	PERp0
46	NC		47	PERn0
44	I2C_IRQ# (I) (1.8V)		45	GND
42	I2C_SDA (IO) (1.8V)		43	PETp0
40	I2C_SCL (O) (1.8V)		41	PETn0
38	NC		39	GND
36	USIM1_PWR (O)		37	USB3.0_RX+
34	USIM1_DATA (IO)		35	USB3.0_RX-
32	USIM1_CLK (O)		33	GND
30	USIM1_RESET (O)		31	USB3.0_TX+
28	I2SO_LRCK (IO) (1.8V)		29	USB3.0_TX-
26	W_DISABLE2# (I) (3.3/1.8V)		27	GND
24	I2SO_DO (O) (1.8V)		25	DPR (I) (1.8V)
22	I2SO_DI (I) (1.8V)		23	WOWWAN# (IO) (1.8V)
20	I2SO_BCK (IO) (1.8V)		21	CONFIG_0 (GND)
	Notch			Notch
	Notch			Notch
	Notch			Notch
	Notch			Notch
10	LED1# (O) (3.3V)		11	GND
8	W_DISABLE1# (I) (3.3/1.8V)		9	USB_D-
6	FULL_CARD_POWER_OFF# (I) (3.3/1.8V)		7	USB_D+
4	+3.3V		5	GND
2	+3.3V		3	GND
			1	CONFIG_3 (NC)

