

DATASHEET

XS5G04-GB0_A-U 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

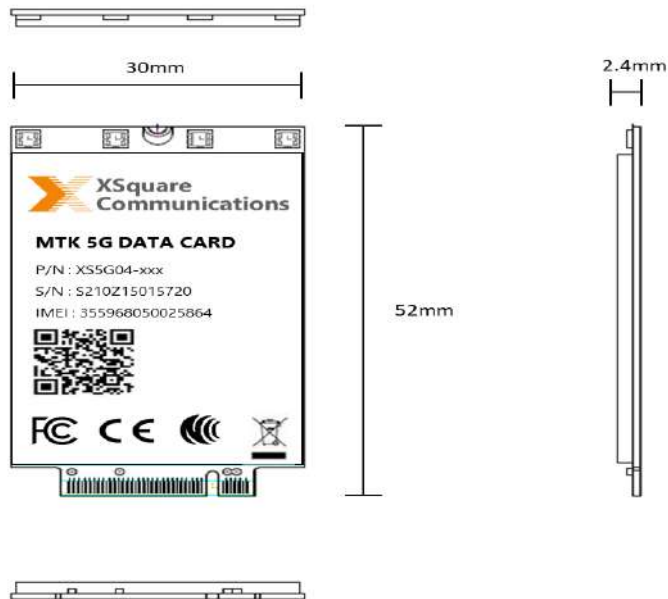
Standard	GPS/GLONASS/BeiDou/Galileo
Frequency Band	L1

Main Data Through(peak)

5G NR DL/UL	2.3Gbps / 1.25Gbps
4G DL/UL	600Mbps / 150Mbps
3G DL	42.2Mbps (DC-HSPA+)
3G UL	11.5Mbps

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	USB 2.0 / USB 3.0 / 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 USB
OS Version.	TBD (Depends on host OS) Module support from Linux 4.19
Drivers	USB 3.0 MBIM



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)

