

TRITOM[®]

5G M.2 Module

2nd generation 5G modem with integrated multi-mode support, designed to deliver breakthrough wireless performance and accelerate global 5G rollout. TRITOM 5G Modem supports virtually any combination of spectrum bands and/or modes: 5G mmWave and sub-6 GHz, standalone and non-standalone modes, TDD and FDD, spectrum sharing, LTE and legacy modes (3G, 2G). This is designed to enable OEMs to bring blazing fast connected devices to global networks in nearly any form factor.

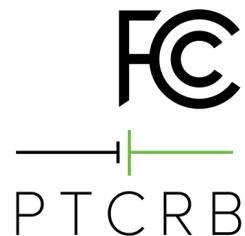
SG500M2-X



Based on the M.2 form factor, the connectorized TRITOM module will enable original equipment manufacturers and system integrators requiring the highest possible speeds to deploy 5G on their mobile computing, networking and IoT platforms worldwide. SG500M2-X 5G M.2 module supports mmWave, sub 6 Ghz and LTE technologies, as defined by the 3GPP Release 15 standard. 5G is designed to co-exist with 4G and to enable new use cases beyond what is possible with prior technology, including Enhanced Mobile Broadband (eMBB) – enhances high-speed, high-bandwidth applications, such as networking, high-end video, gaming and augmented reality, with the long-term goal of achieving more than 20 Gbps download speeds.

Operating Band	5G Refarmed Sub6 : n1, n2, n3, n5, n7, n8, n12, n20, n28, n66, n71
	New Sub6: n78, n79
	5G NR_mmWave: n257, n258
	LTE FDD: B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B18, B19, B20,
	B25, B26, B28, B29, B30, B32, B66, B71
	LTE TDD: B34, B38, B39, B40, B41, B42, B46, B48
	WCDMA/HSPA+: B1, B2, B3/9, B4, B5/6/19, B8
	Simultaneous GPS L1, GLONASS(GLO), Galileo(GAL) and BeiDou(BDS)

Downlink	LTE	LTE CAT20
	5G sub-6	1CC; Max BW 100MHz; MIMO 4x4
	5G mmWave	8CC; Max BW 800MHz; MIMO 2x2
Uplink	LTE	LTE CAT13
	5G sub-6	1CC; Max BW 100MHz; MIMO 2x2
	5G mmWave	8CC; Max BW 800MHz; MIMO 2x2



Tri Cascade Inc.