

EM8695 5G RedCap Module Specifications

5G NR	
Category	5G NR Sub-6
Frequency Bands	n1, 2, 3, 5, 7, 8, 12, 13, 14, 18, 20, 25, 26, 28, 30, 38, 40, 41, 48, 66, 70, 71, 77, 78, 79
4G LTE	
Category	LTE
Frequency Bands	B1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 17, 18, 19, 20, 25, 26, 28, 30, 34, 38, 39, 40, 41, 42, 43, 48, 66, 70, 71, 106
DATA SPEED	
Peak Download Rate	Up to 223 Mbps
Peak Upload Rate	Up to 123 Mbps
LOCATION SERVICES	
Satellite Systems	GNSS L1, L5 (GPS, Glonass, Galileo, BeiDou)
EMBEDDED SOFTWARE	
Firmware	Secure boot, pre-certified firmware
System Drivers	Windows 10, Windows 11, Linux Driver, Android RIL
INTERFACES	
USB	USB 2.0
GPIO	Yes
Tx ON Indicator	Yes
SIM Interface 1.8V/3V	Yes
HARDWARE	
CF3 Form Factor	M.2
Dimensions	30×42 mm
Temperature Range	-30 °C to +70 °C (operating class A) -40 °C to +85 °C (operating class B)
APPROVALS	
Carrier	AT&T (FirstNet), Anterix, Verizon*, T-Mobile*, Telstra*, DoCoMo*, SoftBank*, KDDI*
Regulatory	FCC, IC, GCF, JATE/Telec*, NCC, PTCRB, EU RED
* pending	
EMBEDDED SIM	
EMBEDDED SIM	Optional