

# Specification of the 4G module

## 1. Overview

EC20 is a 4G module, which is designed for LED display applications:

- 1) EC20-C(China)、EC20-A(U.S.A)、EC20-E(Europe)、EC20-CE(China/India).
- 2) With standard Mini PCIE interface, suitable for all types of full color control cards.
- 3) Supports LTE, UMTS and GSM / GPRS.
- 4) Maximum uplink: 50Mbps.
- 5) Maximum downlink: 150Mbps.
- 6) Support GPS.
- 7) Working temperature: -40 °C to 80 °C.



## 2. Specifications

Working frequency band	EC20-C R2.0	FDD LTE: B1/B3/B8
		TDD LTE: B38/B39/B40/B41
		TDSCDMA: B34/B39
		WCDMA: B1/B8
		GSM: 900/1800
	EC20-CE R2.0	FDD LTE: B1/B3/B8
		TDD LTE: B38/B39/B40/B41
		TDSCDMA: B34/B39
		WCDMA: B1/B8
		CDMA2000 1x/EVDO: BC0
Transmission Speed	LTE	LTE-FDD Max 150Mbps (DL) Max 50Mbps (UL)
		LTE-TDD Max 130Mbps (DL) Max 35Mbps (UL)
	DC-HSPA+	Max 42Mbps (DL) Max 5.76Mbps (UL)
	UMTS	Max 384Kbps (DL) Max 384Kbps (UL)

	TD-SCDMA	Max 4.2Mbps (DL) Max 2.2Mbps (UL)
	CDMA	Max 3.1Mbps (DL) Max 1.8Mbps (UL)
	EDGE	Max 236.8Kbps (DL) Max 236.8Kbps (UL)
	GPRS	Max 85.6Kbps (DL) Max 85.6Kbps (UL)
Operator	China: China Telecom,China Unicom,China Mobile Other areas are based on local conditions	
Sim Card	Standard card, the size is 25mm×15mm×0.8mm	
Description of the Antenna	MAIN: Main antenna interface of 4G module GPS: GPS antenna interface of 4G module DIV: Diversity antenna interface of 4G module	
Working temperature	-40 ℃ ~ +85 ℃	
Certificate	CCC/NAL/SRRC	