

Sierra Wireless AirPrime™ Intelligent Embedded Modules MC Series



Sierra Wireless AirPrime™ 4G LTE MiniCard Series

Air Interface Innovation Sierra Wireless AirPrime™ 4G LTE MC Series embedded modules deliver reliable, high-quality mobile broadband connectivity with a variety of advanced air interfaces. The AirPrime MC Series can turn any mobile computing or mobile consumer device into a powerful communications tool. The AirPrime MC Series modules are based on the miniPCI Express Mini Card standard with a USB 2.0 interface.

They are designed to work with EV-DO Rev A, HSPA, HSPA+ and LTE networks.

AirPrime MC7700

The AirPrime MC7700 embedded wireless modules offer a high-speed wireless connection over North American LTE and HSPA+ networks and easily integrates into a variety of devices such as netbooks, laptops, and tablet computers. The AirPrime MC7700 modules allow manufacturers to take advantage of the latest generation of high-speed mobile networks, delivering up to 100Mbps download speeds and 50Mbps upload speeds with integrated GPS capabilities as well as support for both Linux and Windows.

AirPrime MC7710

The AirPrime MC7710 embedded wireless modules offer a high-speed wireless connection over European LTE and HSPA+ networks and easily integrates into a variety of devices such as netbooks, laptops, and tablet computers. The AirPrime MC7710 modules allow manufacturers to take advantage of the latest generation of high-speed mobile networks, delivering up to 100Mbps download speeds and 50Mbps upload speeds with integrated GPS capabilities as well as support for both Linux and Windows.

AirPrime MC7750

The AirPrime MC7750 embedded wireless modules offer a high-speed wireless connection over Verizon's LTE and EV-DO networks and easily integrates into a variety of devices such as netbooks, laptops, and tablet computers. The AirPrime MC7750 modules allow manufacturers to take advantage of the latest generation of high-speed mobile networks, delivering up to 100Mbps download speeds and 50Mbps upload speeds with integrated GPS capabilities as well as support for both Linux and Windows.

MC7700	Supported Frequencies (MHz)		LTE: 700(B17)/1700/2100(B4)	3G: 800/850/1900/2100	2G: 850/900/1800/1900	GPS: 1575.42
Part Number	Technology	Carrier Approval	Firmware	Protocol		Predecessor
MC7700_1101535	LTE/HSPA/GSM/GPS	AT&T	3.5.10.2	DIRECTIP		MC7700_1101366
MC7700_1101795	LTE/HSPA/GSM/GPS	AT&T	3.5.10.2	QMI		MC7700_1101367
MC7700_1101855	LTE/HSPA/GSM/GPS	AT&T	3.5.20.03	DIRECTIP		MC7700_1101535
MC7700_1101854	LTE/HSPA/GSM/GPS	AT&T	3.5.20.03	QMI		MC7700_1101795
MC7700_1101551	LTE/HSPA/GSM/GPS	BELL	3.5.14.0	DIRECTIP		N/A
MC7700_ROGERS	LTE/HSPA/GSM/GPS	ROGERS	3.5.14.0	DIRECTIP		MC7700_1101404
MC7700_1101346	LTE/HSPA/GSM/GPS	NTT DoCoMo	3.5.19.0	DIRECTIP		N/A
MC7700_1101739	LTE/HSPA/GSM/GPS	GENERIC	3.0.5.4	QMI		N/A

MC7710	Supported Frequencies (MHz)		LTE: 900(B8)/1800(B3)/2100 (B1)/2600(B7)/DD800(B20)	3G: 900(B8)/2100(B1)	2G: 900/1800/1900	GPS: 1575.42
Part Number	Technology	Carrier Approval	Firmware	Protocol		Predecessor
MC7710_1101773	LTE/HSPA/GSM/GPS	GENERIC	3.5.19.4	DIRECTIP		MC7710_1101363
MC7710_1101772	LTE/HSPA/GSM/GPS	GENERIC	3.5.19.4	QMI		MC7710_1101364
MC7710_1101583	LTE/HSPA/GSM/GPS	T-MOBILE	3.0.11.0	DIRECTIP		N/A

MC7750	Supported Frequencies (MHz)		LTE: 700(B13)	3G: 800/1900	2G: 800/1900	GPS: 1575.42
Part Number	Technology	Carrier Approval	Firmware	Protocol		Predecessor
MC7750_1101867	LTE/EVDO/CDMA/GPS	VERIZON	3.6.10.7	QMI		MC7750_1101341
MC7750_1101733*	LTE/EVDO/CDMA/GPS	VERIZON	3.5.10.6	QMI		MC7750_1101341

*New hardware version, refer to PCN for additional information

DIRECT IP: Legacy protocol that allows for simple setup of data session via AT commands, not available with CDMA products and no SDK support.

QMI: QMI protocol controls data session, supports CDMA products and a QMI SDK for Linux and Windows.

MiniCard Development Kit

Part Number	Comments
MC_SERIES_QSK	Universal development kit for all Sierra MiniCards

Your Global Source for
RF, Wireless & Energy Technologies



www.richardsonrfpd.com | 800.737.6937 | 630.208.2700