

LTE USB Modem Extension Set for MAC36PRO Controller

MODEL	DESCRIPTION
LTE-DIN-EXT-SET	LTE USB Modem Extension Set including an Onyx 4573326591584 LTE USB modem with a 1 m USB-A/A cable, a 698–2700 MHz LTE antenna GA.130.201111 with a magnetic mount, and accessories for DIN rail mounting. SIM card not included.



APPLICATION AND USE

The LTE USB Modem Extension Set is dedicated for MAC36PRO controllers and enables LTE 4G connectivity for a seamless remote access to the controller. This ready-to-go set includes an LTE USB modem, 1 m USB cable for convenient connection, LTE antenna for signal transmission, and accessories required for DIN rail mounting, which makes it virtually a plug-and-play solution for MAC36PRO controllers. The LTE connection is easily configurable in the controller's Device Management Web Server and provides a remote access to the MAC36PRO controller with cellular communication. The set does not include a SIM card but supports a worldwide variety of Nano SIM cards offering an LTE 4G coverage.

FEATURES

- Worldwide SIM cards support
- Easy configuration and full support by MAC36PRO
- Powered from the USB1 port
- External antenna with magnetic mount
- Effortless DIN rail installation
- Universally certified: FCC, PTCRB, JATE, TELEC, CE, UKCA, KC, ISED, RoHS

CONTENTS

LTE-USB-EXT	Onyx 4573326591584 LTE USB modem (SIM card not included) with a 1 m USB-A/A cable
LTE-ANT 698–2700 MHz	LTE antenna GA.130.201111 with a magnetic mount and CRC9-SMA-150 converter
LTE-DIN-ACC	Accessories for USB-A DIN rail mounting including AN-25184 adapter and FX-USB/B Keystone module

TECHNICAL CHARACTERISTICS

DESCRIPTION		LTE EXTENSION SET
LTE modem	Type	Quectel EG25-G
	Region	Global
	Performance	LTE Cat. 4 (3GPP Release 11)
	Networks bands	4G LTE-FDD B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28 LTE-TDD B38/B39/B40/B41
	Packet data	Max. 150 Mbps downlink Max. 50 Mbps uplink
	Compatibility	3GPP TS 27.007, TS 27.005, enhanced AT commands
	Protocols	TCP, UDP, PPP, FTP, HTTP, MQTT, NTP, NITZ, PING, QMI
	OS	Linux 2.6 ~ 5.4

The performances stated in this sheet can be modified without any prior notice.

DESCRIPTION		LTE EXTENSION SET
LTE modem	Supported SIM cards	Worldwide, 4FF (Nano SIM)
	Standby data traffic (yearly)	Up to ~100 MB/year for standby remote connection LTE + VPN (~85 MB out, ~12 MB in)
	Interfaces	USB 2.0 type A, nano SIM (4FF), built-in antenna 2 x CRC9
	Power	Operating voltage: USB powered, 4.2 V-6.0 V Power consumption: 35 mA (idle, typical), 600 mA (during communication, typical)
	Cable	USB-A/A, 1 m
	Temperature	Operating: -20°C to 60°C (-4°F to 140°F) Storage: -35°C to 85°C (-31°F to 185°F)
	Humidity	Operating: 5 to 75% RH (without condensation) Storage: up to 80% RH (without condensation)
	Housing material	PC-ABS
	Dimensions	95/36/13 mm (3.74/1.42/0.51 in)
LTE antenna	Type	GA.130.201111 external, cellular antenna
	Impedance	50 Ohm
	Connector	CRC9-SMA-150
	Cable type	RG-174
	Frequency range	700 to 4000 MHz
	Polarity	Linear
	Temperature	Operating: -40°C to 85°C (-40°F to 185°F)
	Mounting	Magnetic
	Dimensions	72/53/143 mm (2.83/2.09/5.63 in)
Accessories	Adapter	AN-25184
	Connector	FX-USB/B Keystone module (USB-A)

APPLICATION EXAMPLE

