



LX40 Series

Scalable Telematics Platform
EMEA Region

The Telematics Device That Puts You in Control

More than just a device, the LX40 Series represents a game-changing platform for the telematics industry. With broad latitude to control device behaviour and communication, LX40's scripting capabilities enable true customisation. Telematics providers are empowered to exercise their creativity and create distinct value — or de-risk large projects — exactly as they need to. Furthering flexibility is the LX40's family of product variants, with a device to suit any deployment scenario. Choose the right hardware variant to cover simple tracking, vehicle CAN monitoring or a myriad of other possibilities. With robust cellular coverage, remote management and update capabilities, and a variety of available accessories, the LX40 Series has the options you need for deployment success.

HIGHLIGHTS



Build highly customised telematics solutions



Full control over the in-vehicle solution



Remote device management platform for script management and configuration



Five device variants for varying deployment needs, all on one software platform

FEATURES

- > Scripting language with over 500 controllable parameters/objects
- > LTE CAT 1 bis modem
- > Bluetooth LE 5.4 for wireless connectivity and sensor coverage
- > Variants with wide CAN compatibility
- > Extensive vehicle database and proprietary PID library
- > Wide range of programmable I/O interfaces (1-wire, RS232, RS485, digital in/out, ADC)
- > Multiple harnessing and install options
- > Advanced driver ID and geofence options
- > Rich power management
- > Optional battery and IP-rated seal

LX40 SERIES TECHNICAL SPECIFICATIONS — EMEA

MECHANICAL

Dimensions	91mm W x 20mm H x 68mm D (3.6" W x 0.8" H x 2.7" D)
Weight	64 g (2.3 oz)
Housing Material	PC, UL94 V-0
Seal	IP67 With Optional Case

ELECTRICAL

Input Voltage	12V/24V DC Nominal 9–36V DC Range
Average Idle Current	40 mA @ 12V Input
Full Active Current Without Load on Outputs	100 mA @ 12V Input
Deep Sleep Current	<2 mA @ 12V Input
Optional Battery	210 mAh or 850 mAh Lithium Ion
Connector	4, 8 or 16 Pins by Variant
RS232 Port (in supporting variants) Harness Connector	True Level Signaling Common Baud Rates to 115K
RS485 Port (in supporting variants)	Common Baud Rates to 115K
CAN Ports (in supporting variants)	11/29 bit ID Supported, FD Compatible Data Rates up to 2 Mbps

ENVIRONMENTAL

Operational Temperature	With Internal Battery: -20° C to +60° C (-4° F to +140° F) Without Internal Battery: -40° C to +85° C (-40° F to +185° F)
Storage Temperature	-40° C to +85° C (-40° F to +185° F)

COMMUNICATIONS

Cellular	4G LTE Cat 1 Bis, 2G Fallback
Cellular Bands	4G LTE: B1, B3, B7, B8, B20, B28 2G: 900/1800 MHz
SIM Card	4FF Slot
Bluetooth	5.4 LE

POSITIONING

Constellation Support	GPS L1, GLONASS L1, Galileo E1, QZSS L1
Time to First Fix	Cold Start: 28s Hot Start: 1s
Sensitivity	Cold Start: -145 dBm Reacquisition: -159 dBm Tracking: -159 dBm
Accuracy	2.5 m CEP50
Sensors	3-Axis Accelerometer

COMPLIANCE

Certification	CE, RoHS
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I/O OPTIONS

Variant	LX41	LX42	LX43	LX44	LX45
Connector	4 pins	8 pins	16 pins	16 pins	16 pins
CAN Ports				2x	2x
RS232 Ports			1x	1x	1x
RS485 Ports			1x		1x
1-Wire Bus		1x	1x	1x	1x
Digital Inputs	1x	4x	4x	4x	4x
Digital Outputs	1x	2x	4x	4x	2x
Analog Inputs		3x	3x	3x	3x