



The LX40 Series

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.



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



Full control over the in-vehicle solution.



Remote device management platform for script management and configuration.

Features

- Scripting language with over 500 controllable parameters and 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 installation options
- Advanced driver ID and geofence options
- Rich power management
- Optional battery and IP-rated seal

LX40 Series

Technical Specifications - EMEA

Mechanical

Dimensions	91 (w) x 20 (h) x 68 (d) mm
Weight	64 g
Housing Material	PC, UL94 V-0
Seal	IP67 with optional case

Environmental

Operational Temperature	With internal battery: -20 °C to +60 °C Without internal battery: -40 °C to +85 °C
Storage temperature	-40 °C to +85 °C

Positioning

Constellation support	GPS L1, GLONASS L1, Galileo E1, QZSS L1
Time to first fix	Cold start: 28 s Hot start: <1 s
Sensitivity	Cold start -145 dBm Re-acquisition -159 dBm Tracking -159 dBm
Accuracy	2.5 m CEP50
Sensors	3-axis accelerometer

Electrical

Input Voltage	12 V/24 V DC nominal 9 - 36 V range
Average idle current	40 mA @ 12 V input
Full active current without load on outputs	100 mA @ 12 V input
Deep sleep current	<2 mA @ 12 V 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 115 K
RS485 port (in supporting variants)	Common baud rates to 115 K
CAN ports (in supporting variants)	11/29 bit ID supported, FD compatible Data rates up to 2 Mbps

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

Certification CE, RoHS

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
Analogue Inputs	-	3x	3x	3x	3x



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AutoTech | RiskTech | ManTech | ServTech | FleetTech | EngTech

Eastern Cape - Port Elizabeth:

T: +27 (0)82 450 6596

Free State - Bloemfontein:

T: +27 (0)63 257 0505

Gauteng - Bedfordview (FleetTech):

T: +27 (0)10 329 0932

Gauteng - Jet Park (HQ):

T: +27 (0)11 823 5650

KwaZulu Natal - Pinetown:

T: +27 (0)31 303 4129

Mpumalanga - Middelburg:

T: +27 (0)13 692 8132

Northern Cape - Kathu:

T: +27 (0)53 723 3415

North West - Rustenburg:

T: +27 (0)14 596 5257

Western Cape - Cape Town:

T: +27 (0)21 945 1453

Botswana, Gaborone:

T: +267 399 4150

Mozambique, Tete:

T: +258 252 20666

Zambia, Kitwe:

T: +26 (0)21 222 5338

trading@trysome.co.za • www.trysome.co.za • PO Box 13677, Witfield 1467

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