Wired Trackers



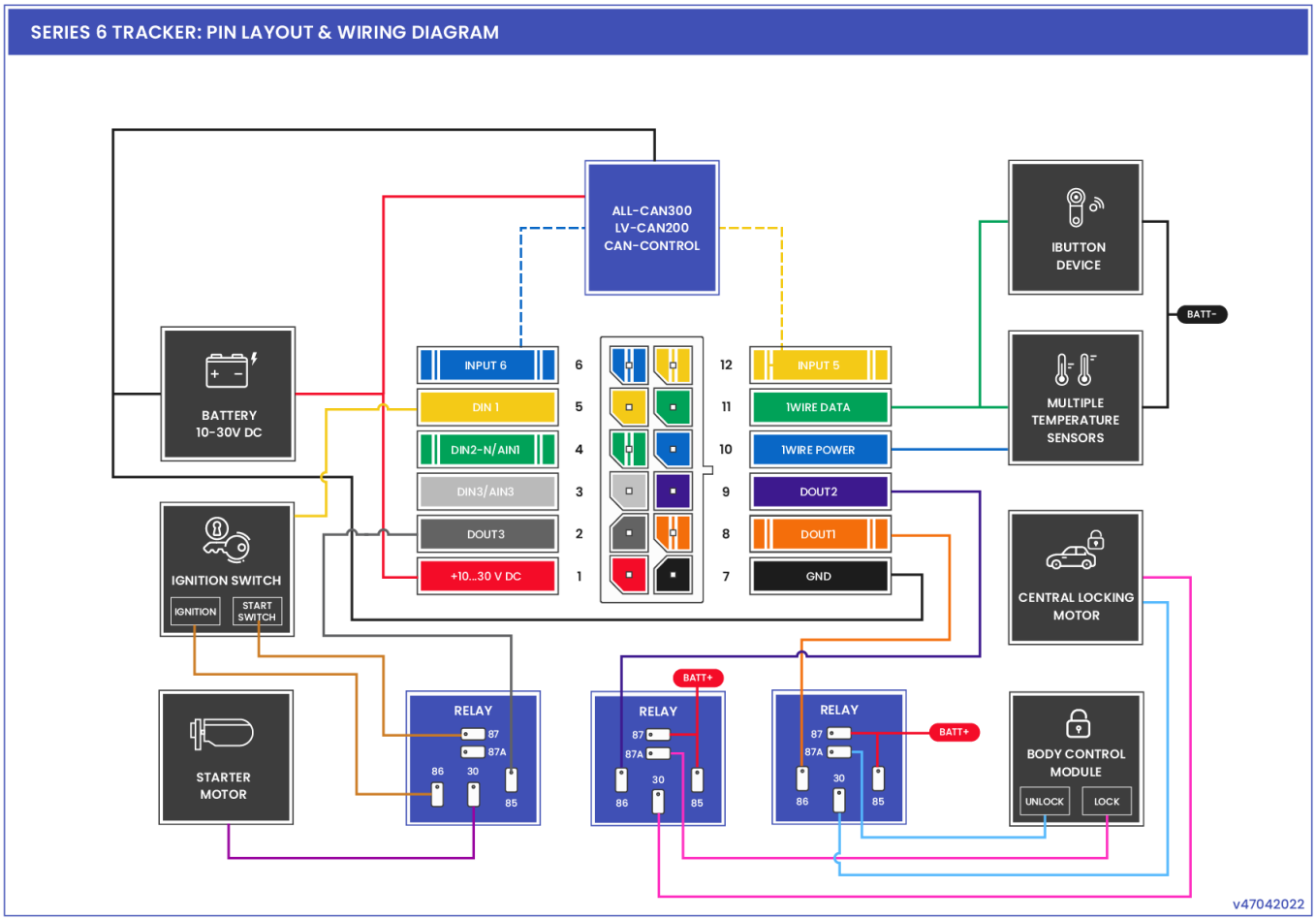
Specifications

MODULE	
Name	MeiG SLM320-E, MeiG SLM320-LA, Quectel EC21-AU, Quectel EC21-EC, Quectel EC21-KL, Quectel EC21-J, Teltonika TM2500
Technology	LTE(CaT1)/3G(UMTS/HSPA)/2G(GSM/GPRS)/GNSS/BLUETOOTH
GNSS	
GNSS	GPS, GLONASS, GALILEO, BEIDOU, QZSS, AGPS
Receiver	Tracking: 33
Tracking sensitivity	-165 dBM
Accuracy	< 2.5m CEP
Velocity Accuracy	< 0.1 m/s (within +/- 15% error)
Hot start	< 1 s
Warm start	< 25 s
Cold start	< 35 s
Technology	LTE Cat 1, UMTS, GSM

2G bands (EC21)	EC21-AU:GSM: B2/B3/B5/B8 EC21-EC:GSM: B3/B8
2G bands (SLM320)	FMC130-ME1:GSM: B2/B3/B5/B8 FMC130-ME3:GSM: B2/B3/B5/B8 FMC130-ML1:GSM: B2/B3/B5/B8
3G bands (EC21)	EC21-AU:WCDMA: B1/B2/B5/B8 EC21-EC:WCDMA: B1/B8
4G bands (EC21)	EC21-AU: LTE FDD: B1/B2/B3/B4/B5/B7/B8/B28 LTE TDD: B40 EC21-EC: LTE FDD: B1/B3/B7/B8/B20/B28A EC21-KL: LTE FDD: B1/B3/B5/B7/B8 EC21-J: LTE FDD: B1/B3/B8/B18/B19/B26
4G bands (SLM320)	FMC130-ME1: LTE FDD: B1/B3/B5/B7/B8/B20 LTE-TDD:B38/B40/B41 FMC130-ME3: LTE FDD: B1/B3/B7/B8/B20/B28 LTE-TDD:B38/B40/B41 FMC130-ML1: LTE FDD: B1/B2/B3/B4/B5/B7/B8/B20/B28 LTE-TDD:B40
Data transfer (EC21)	LTE:LTE FDD: Max 10Mbps (DL)/Max 5Mbps (UL) LTE TDD: Max 8.96Mbps (DL)/Max 3.1Mbps (UL) UMTS:WCDMA: Max 384Kbps (DL)/Max 384Kbps (UL) GSM:GPRS: Max 107Kbps (DL)/Max 85.6Kbps (UL)
Data transfer (SLM320)	LTE:LTE FDD: Max 10Mbps (DL)/Max 5Mbps (UL) LTE TDD: Max 8Mbps (DL)/Max 2Mbps (UL) GSM:GPRS: Max 85.6Kbps (DL)/Max 85.6Kbps (UL)
Data support	SMS (text/data)
POWER	
Input voltage range	10 - 30 V DC with overvoltage protection
Internal Back-up battery	170 mAh Li-Ion, 3.7 V battery (0.63 Wh)
Internal fuse	3A, 125V
Power consumption	At 12V < 3 mA (Ultra Deep Sleep) At 12V < 5 mA (Deep Sleep) At 12V < 16 mA (Online Deep Sleep) At 12V < 18 mA (GPS Sleep) At 12V < 33 mA (nominal with no load) At 12V < 2A Max. (with full Load / Peak)
BLUETOOTH	
Specification	4.0 + LE
Supported peripherals	Temperature sensor, iButtons, Beacons
PHYSICAL SPECIFICATION	
Dimensions	65 x 56,6 x 20,6 mm (L x W x H)
Weight	55 g

OPERATING ENVIRONMENT	
Operating temperature (without battery)	-20 °C to +85 °C
Storage temperature (without battery)	-20 °C to +85 °C
Operating temperature (with battery)	-20 °C to +40 °C
Storage temperature (with battery)	-20 °C to +45 °C
Operating humidity	5% to 95% non-condensing
Ingress Protection Rating	IP41
Battery charge temperature	0 °C to +45 °C
Battery discharge temperature	-20 °C to +60 °C
Battery storage temperature	-20 °C to +45 °C for 1 month -20 °C to +35 °C for 6 months
INTERFACE	
Digital Inputs	3
Negative Inputs	1 (Digital Input 2)
Impulse Inputs	2 (Digital Input 1, Digital Input 2)
Digital Outputs	3
Analog Inputs	2
CAN Adapter inputs	1
1-Wire	1
GNSS antenna	Internal High Gain
Cellular antenna	Internal High Gain
USB	2.0 Micro-USB
LED indication	2 status LED lights
SIM	Micro-SIM + eSIM
Memory	128MB internal flash memory

Wiring Diagram



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