



AMBRA SOLUTIONS LIGHT MODEM

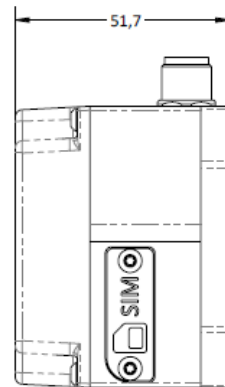
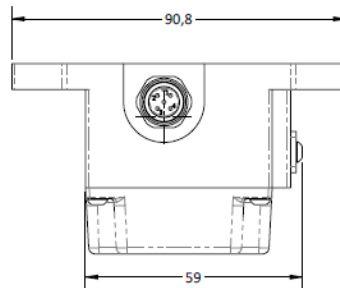
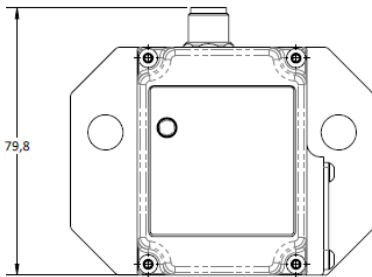
The iPS Light Modem, product E02631, by Ambra Solutions is part of the overall LTE tracking and monitoring solution called iPS. The Light Modem is a CATM1 enabled IOT device capable of monitoring vehicle and assets on the field. It can monitor and interact via CAN bus, RS485, 4-20mA or plain GPIOs via the LTE connection. With it's intuitive mobile application, it's easy to configure and use. The Light Modem also interact with the iPS system by reporting BLE packet of GeoBeacon and sending information to the iPS core, allowing you to track the location and health of your equipment.

FEATURES AND BENEFITS

- Rugged design compatible with harsh environments such as industrial, mining, forest industry
- LTE CATM1
- CAN bus, RS485, 4-20mA and GPIOs interface
- iPS ready for asset tracking indoor and outdoor
- Can be firmware reflashed over LTE
- Optional battery backup
- Mobile application configurable via BLE

ELECTRICAL SPECIFICATIONS

Connector		SPECIFICATIONS			
		Environmental		Mechanical	
Connector type	M12-5 43-01207	Operating Temperature	-40°C to 85°C	Case Material	Aluminium/Plastic
Mating connector	M12-5 TE 1838274-3	Storage Temperature	-40°C to 85°C	Dimensions (mm)	51,7 x 79,8 x 90,8
Pinout	1: Ignition 2: Vcc 3: CANLO/RS485 B/GPIO 1/ 4-20mA IN 4: Gnd 5: CANHI/RS485 A/GPIO 0/ 4-20mA OUT	Ingress Protection	IP54	Weight	1 lbs / 0.45kg
ELECTRICAL SPECIFICATIONS					
		Operating Voltage	9VDC to 57VDC		
		Interface	*CAN: 250kbps or 500kbps *RS485: Up to 115200 bauds *4-20mA reader *2x GPIOs: 12bits ADC input/Open collector output Ignition pin for graceful shutdown		
		Power Consumption	2W typical		
		Supported bands	LTE CATM1: B1, B2, B3, B4, B5, B8, B12, B13, B18, B19, B20, B25, B26, B28		



ORDERING INFORMATION

Item No.	Description	Installation
E02631	LightModem	Communicate with the Ambra Solutions engineering team for recommendations and specific installation guideline to your needs.