

EZ150

4G MOBILE POSITIONING UNIT

The EZ150 is a professional grade under-dash fleet product with a robust set of input and outputs. The EZ150 features advanced capabilities such as impact/ crash detection, driver behavior monitoring, driver identification, driver authentication and message logs. The unit is designed to be professionally installed.

Key Features

- 4G network connectivity with dual cellular antennas
- Full range of programmable sleep modes
- 4MB Flash to support message and crash logs
- Comprehensive I/O Configurations
- 16G 3-axis accelerometers enabling motion sensing, driver behaviour & impact/crash detection
- OTA (Over-The-Air) device management

Market Applications

- Local Fleet Management, Maintenance and Driver Performance - Light And Heavy Duty Vehicles
- Field Service / Work Order Vehicles
- Transportation Logistics
- New Car Lot Management
- Connected Vehicles



Specifications

CELLULAR TECHNOLOGY

LTE CAT M1	BANDS 2, 4, 12, 13
LTE CAT 1 (3G FALLBACK)	BANDS 2, 4, 5, 12, 13, 25, 26 BANDS 2, 5 (3G)
3G HSPA MULTIBAND	BANDS 800/850/900/1900/2100
GSM-GPRS	BANDS 850/900/1800/1900

Throughput: Up to 10 Mbps Downlink/ 5 Mbps Uplink
Protocol: FTP/HTTP/HTTPS/SMTP/POP3/TCP/UDP/SMS

CASE

DIMENSIONS	102.4MM X 52.8MM X 20.2MM
WEIGHT	70G

ENVIRONMENT

STORAGE TEMP	-45°C TO 90°C
OPERATING TEMP	-40°C TO 85°C
RELATIVE HUMIDITY	UP TO 90% NON-CONDENSING
IP RATING	IP51
VEHICLE TRANSIENT SURGES	ISO 7637-2 - 12/24 VDC
DROP TEST	1 METER, 6 SIDES
ESD	1 SECOND PULSES ±4kV DIRECT, ±8kV INDIRECT
VIBRATION	SAE J1455
MECHANICAL SHOCK	EN 60068-2-6, 27, 29
TEMPERATURE & HUMIDITY	EN 60068-2-14, 30

POWER

INPUT POWER RANGE	7-32 VDC (12/24V VEHICLES)
TRACKING MODE	<70mA AVERAGE @ 12V
IDLE MODE	<14mA AVERAGE @ 12V
NORMAL SLEEP MODE	<2mA AVERAGE @ 12V

REGULATORY APPROVALS/CERTIFICATION

FCC, IC, CE, REACH, WEE, PTCRB, GCF (R&TTE DIRECTIVE), RoHS
APPLICABLE CARRIERS

GPS TECHNOLOGY

LOCATION TECHNOLOGY	56 CHANNEL GPS (WITH SBAS)
TRACKING SENSITIVITY	-162 dBm
LOCATION ACCURACY (OPEN SKY)	+/- 2.5M (CEP)
COLD START ACQUISITION	29 SECONDS
HOT START ACQUISITION	1 SECOND

ACCELEROMETER

16G MEMS 3-AXIS ACCELEROMETER

USER INTERFACE

STATUS LEDS	2 - CELLULAR (AMBER), GPS (GREEN)
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I/O & CONNECTORS

DIGITAL INPUTS	5 (2 FIXED BIAS LOW, 3 FIXED BIASED HIGH)
DIGITAL OUTPUTS	3 GENERAL PURPOSE OPEN COLLECTOR (250mA)
ANALOG INPUTS	2 INTERNAL ADC 1 EXTERNAL ADC INPUT (0-60 VDC)
SERIAL INTERFACE(S)	1 SERIAL TTL UART INTERFACE WITH POWER CONTROL 1-WIRE BUS INTERFACE (DALLAS SEMICONDUCTOR)
I/O CONNECTORS	20-PIN MOLEX

OPTIONAL FEATURES

400MAH OR 1500MAH LI-ION RECHARGEABLE BACKUP BATTERY
ISO-15765 STANDARD CAN J1939 CAN PROTOCOL (FUTURE)



Specifications are subject to change. Please see your Global Cloud Fleet contact for more details.