

PROD1185 LIGHT VEHICLE CPU WITH INTEGRATED DISPLAY



Applications include CAS-GPS collision awareness, vehicle monitoring, fleet management and general remote data logging and management.

Features

- Connectivity: LTE, Wi-Fi, 1x RS232
- Internal and SD card flash storage
- Internal MEMS (accelerometers)
- Internal altimeter/pressure sensor
- IP67 ingress protection
- Integrated 1" RAM mount ball



*PROD1185 shown with
RAM mount and cable
(included) and KITSCL130
anti-tamper accessory*



Specifications

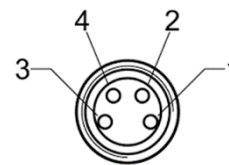
Basic information	Platform	MTK6762
	CPU	8*Cortex-4*A53 2.0GHz/4*A53 1.5GHz
	OS	Android 9.0
	ROM (eMMC)	32GB
	RAM	3GB
	SD card Capability	up to 128GB
WWAN (data only)	EG25-G	LTE-FDD B1/ B2/ B3/ B4/ B5/ B7/ B8/ B12/ B13/ B18/ B19/ B20/ B25/ B26/ B28 LTE-TDD B38/ B39/ B40/ B41 WCDMA B1/ B2/ B4/ B5/ B6/ B8/ B19 GSM B2/ B3/ B5/ B8
WLAN	Wi-Fi	802.11 a/b/g/n/ac 2.4G+5G
PAN	Bluetooth	BT4.1 (BLE HS compliant)
RFID	NFC	Yes
Slot	SIM type	Micro SIM
	SD slot	Micro SD
Connector	RS232/Power in	90 degree M8 IP67 connector 5V, GND, Tx, Rx
Mount type		RAM-B-347U
Display	Vision size (inch)	5.0"
	Resolution	HD (1280x720)
	Type	TFT
	Touch technology	Capacity
	Multi-touch capability	5 points
	TP	AGC
	Brightness(cd/m ²)	500 cd/mw
Sensors	GPS	Yes
	Glonass	Yes
	Galileo	Yes
	Proximity sensor	Yes
	Light sensor	Yes
	E-Compass	Yes
	G-sensor	Yes
	Gyroscope	Yes
	Barometer	Yes
Cable	I/O	20AWG x 4-core x 1.5m, Vin, GND, Tx, Rx
Certifications		CE, FCC, IC & RCM
Other	ESD	±8kV air discharge, ±4kV direct discharge
	Drop	1.5 m
	Sealing level rate	IP67
	Power Input	5~9V, 3A
	Storage Temp.	-30°C ~ 80°C
	Operating Temp.	-20°C ~ 65°C
	Dimension (mm)	87mm x 182mm x 32mm (not including RAM mount)
Weight(g)	450g (not including cable)	

Reliability

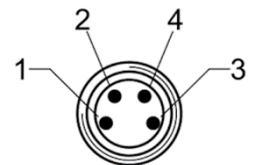
Test Item	Specification
3.1 MIL-STD-810G, Method 501.5 High Temperature Procedure I - Storage	a. +80°C, 72hrs b. Test 72hrs, Temp adjustment time 1hr, total 73hrs
3.2 MIL-STD-810G, Method 501.5 High Temperature Procedure II - Operational	+65°C, 72hrs
3.3 MIL-STD-810G, Method 502.5 Low Temperature Procedure I - Storage	-30°C, 72hrs
3.4 MIL-STD-810G, Method 502.5 Low Temperature Procedure II – Operational	-20°C, 72hrs
3.5 MIL-STD-810G, Method 500.5 Low Pressure (Altitude) Procedure II – Operation/Air carriage (15,000ft/4572m)	Operational test. Test 1hr, Air pressure adjustment 1hr, total 2hrs. Without package.
3.6 MIL-STD-810G, MIL-STD-810G, Method 507.5 Humidity (Aggravated Cycle) Procedure II-Operating	-20°C ~ 65°C cycled with RH 95% Min 10 cycles, each cycle 24hrs, total 240hrs.
3.7 MIL-STD-810G, Method 514.6 Procedure I - Vibration	MIL-810G, 514.6C, Category 4 Test 45 min/axis

Cable Pin Outs (note there are two common cable colour conventions)

Pin	Signal	Convention 1	Convention 2
1	+5V	Red	Brown
2	GND	Black	White
3	Tx	Blue	Blue
4	Rx	Yellow	Black



Female (cable)



Male (display)

Part Number Reference

Item #	Description
PROD1185-COUNTRY	Unit can be configured to match individual country requirements
KITSCL130	Anti-tamper kit

Markets (Pending Regulatory Approval)

Country	Australia	USA	S/Africa	Canada
Regulatory Authority	ACMA	FCC	ICASA	ISED
Country	Chile	Europe	Brazil	Russia
Regulatory Authority	SUBTEL	CE	ANATEL	ROSSVYAZ
Country	PNG	India	Mexico	Indonesia
Regulatory Authority	NICTA	WPC	IFETEL	POSTEL
Country	Peru	Colombia	Ghana	Mozambique
Regulatory Authority	MTC	CRC	NCA	INCM
Country	Mongolia			
Regulatory Authority	CRC			

Contact

Web	www.wabteccorp.com
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