

AVL UNITS CAR POSITION®
CP13 RUNNER, CP13 EXPANDED BY RADIUM s.r.o.
DATA SHEET – TECHNICAL SPECIFICATION

	CP13 Runner	CP13 Runner Expanded
<i>Power supply</i>	7 – 36V	7 – 36V
<i>Critical level of PS</i>	40V	40V
<i>For PS systems of:</i>	12/24V	12/24V
<i>Power consumption – sleep mode @12V</i>	3,5mA	4mA
<i>Power consumption – sleep mode @24V</i>	3,5mA	4mA
<i>Power consumption – active sleep mode @12V</i>	8mA	9mA
<i>Power consumption – active sleep mode @24V</i>	5mA	6mA
<i>Power consumption – working mode @12V</i>	90mA	110mA
<i>Power consumption – working mode @24V</i>	50mA	60mA
<i>GPS – no. of channels</i>	50	50
<i>Galileo compatibility</i>	Yes	Yes
<i>GPS - sensitivity</i>	Supersense	Supersense
<i>Waas, Egnos Support</i>	Yes	Yes
<i>2nd SIM card possibility</i>	Yes	Yes
<i>Ring detection (wake-up call)</i>	Yes	Yes
<i>Internal RAM back-up</i>	No	No
<i>Back-up battery in standard</i>	No (RTC used instead)	No (RTC used instead)
<i>Back-up battery possibility on demand</i>	Yes	Yes
<i>Flash memory</i>	128MB	128MB
<i>LED signalisation</i>	3	3
<i>Binary inputs – total no.</i>	5	11
<i>Binary inputs – earth activated</i>	2	6
<i>Binary inputs – positive voltage activation</i>	3	5
<i>Binary inputs w/ counter function</i>	1	1
<i>Binary outputs (OC/Relay)</i>	1/1	4/2
<i>Stabilized periphery power supply</i>	No	No
<i>12V periphery operation w/12V power supply</i>	Yes	Yes
<i>12V periphery operation w/24V power supply</i>	No	No
<i>COM1</i>	RS232 or RS485	RS232 or RS485
<i>COM2</i>	RS232	RS232
<i>COM3</i>	---	RS232 or RS485
<i>COM4</i>	---	RS232
<i>COM5</i>	---	RS232 or RS485
<i>COM6</i>	---	RS232
<i>CAN interface</i>	1	2
<i>Accelerometer</i>	Yes	Yes
<i>ATTEST 8SD for installation in road vehicles</i>	Yes	Yes

FIRMWARE for CP13 Runner, Runner Expanded as per April 2011

<i>firmware version (date of issue)</i>	<i>5.39.0.0 (12/2010)</i>
No. of dispatchings	3 (static IP only)
2nd dispatching	Yes (static IP only)
Communication via SMS w/ disp.	Yes
Data recording depending on distance	Yes
Data recording depending on time	Yes
Data recording depending on lateral deviation	Yes
Data rec. while not driving (time dependent)	Yes
Number of profiles	2
Record grouping for transmission	Yes
Differential records	Yes
GPRS connection & SMS credits	Yes
List of blocked operators	Yes
Active sleep mode	Yes
Security mode	Yes
Black-box function	Yes
LOG function	Yes
Installation mode	Yes
FMS connection	Yes
Counter	1
Engine speed histogram	1
Battery voltage measurement	Yes
FMS: fuel level, engine speed, fuel consumption, driven distance..	Yes
CAN (personal cars)	Yes
Number of SW inputs	13
User SMS (no. of phone nos.)	3
Monostable tilt circuit	3
Bi-stable tilt circuit	1
Delay lines	3
Areas of interest	3
Accelerometer	Yes
Alarms	Yes
Fuel sensor (trucks, tractors etc.)	Yes
Protocols	
CarTerminal, CarIdent (RSLP)	Yes
CarTerminal, CarIdent (RSLP2)	Yes
Garmin Navigation	Yes
Ident. device TRAILER RS-232	Yes
Technological extensions (salt spreaders etc.)	Yes
Fuel level sensor via RS-232/RS-485	Yes