

CrossLink AI PRODUCT SPECIFICATIONS

GNSS	
SYSTEM COVERAGE	Concurrent GPS and GLONASS
SBAS	WAAS, EGNOS, MSAS
ACCURACY @ OPEN SKY	<1,5 m. CEP-50

MODEM	
GENERATION	3G
FREQUENCY BANDS	800/850/900/1900/2100MHz@UMTS 850/900/1800/1900MHz@GSM
UPLINK/DOWNLINK SPEED (MBPS)	Up to 14.4/5.76
GPRS/EDGE	Multi-slot Class 12

WLAN	
WIFI	Dual band, 2.4 GHz and 5 GHz, IEEE 802.11 a/b/g/n
MODES	<p>Client - Makes CrossLink AI a client device that can connect to available wifi networks.</p> <p>Access point - Makes CrossLink AI an access point to which other WiFi devices can connect.</p> <p>WiFi direct - Enables CrossLink AI to easily connect with other devices without requiring a wireless access point. (Requires Linux 3.10 or higher.)</p> <p>Modes are controlled in the software application of the host to which CrossLink AI is attached, e.g. a CCpilot or CrossCore device.</p>
DYNAMIC FREQUENCY SELECTION	Master, 11h Slave
CISCO CCX	V2, V4

SENSORS	
ACCELEROMETER	Built-in 3-axis accelerometer, e.g. for detecting collisions, roll-overs or to monitor how a machine is driven.

INTERFACES AND CONNECTORS	
USB	1 x USB 2.0, for connection to CrossControl display or controller. DIN M12 5-pin A-coded female.
POWER SUPPLY	<p>Alt 1: Separate power connector. Voltage range 6-36 VDC, 12 or 24 VDC nominal. DIN M12, 5-pin B-coded male.</p> <p>Alt 2: Included in USB connector. Voltage range 4.75-5.25 VDC, 5 VDC nominal, <u>minimum 10 W</u>.</p>
ANTENNA CONNECTORS	
GNSS/GPS	RP-SMA female
MODEM, RX/TX	RP-SMA female
WLAN	RP-SMA female

SOFTWARE	
SUPPORTED OPERATING SYSTEMS	Yocto based Linux (kernel 3.10+) Ubuntu based Linux (kernel 2.6+).
APPLICATION DEVELOPMENT	Applications developed for CrossControl displays either utilizing LinX Software Suite - an open software application platform based on Qt - or based on Linux operating system images provided with the display.

ENVIRONMENT AND CERTIFICATIONS	
IP CLASS	IP67
EMC CONFORMITY	ETSI EN 301 489-1, -17 and -24 EN 61000-6-2 and EN 61000-6-4 UN ECE regulation10 EN 13309:2010, ISO 14982:2009
LVD CONFORMITY	IEC/EN 60950-1:2006 incl. A1, A2, A11, A12 IEC/EN 60950-22:2006, A11, C1, A11/C1 ANSI/UL 60950-1 CAN/CSA C22.2 No. 60950-1-07
RADIO CERTIFICATIONS	CE/FCC/ETL/CB. Certified for Europe and North America. Additional certification will be added gradually. Contact CrossControl for information on current certification status.
TEMPERATURE RANGE (°C)	Operating: -25 to +70 Storage: -40 to +85

ENCLOSURE	
HOUSING MATERIAL	Reinforced nylon
MECHANICAL INSTALLATION	Either at rear side of display (back-pack) or stand-alone.

SIZE AND WEIGHT	
W x H x D (mm)	145 x 96 x 39
WEIGHT (kg)	Approx. 0.4

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