



(mm)



CCpilot XM PC-BASED TOUCH SCREEN DISPLAY

The **CCpilot XM** is a 10" and 12" PC-based touch screen display computer for creating advanced HMI systems where process controls, video monitoring and other operator support functionalities are integrated.

The open software platform has a choice of tools for application engineering. This, together with XGA resolution and hardware accelerated 2D, 3D and vector graphics, enables fast design

of premium user interfaces. With its industrial grade Intel Atom E3826 dual core CPU and a robust aluminium enclosure, it delivers dependable and state-of-the-art performance in demanding applications. By adding the wireless extension module CrossLink AI, featuring WiFi, modem, GNSS and Bluetooth, CCpilot XM can be used for telematics, GIS and Fleet Management functionality.

Turn for technical specifications »

Standard models

PART NUMBER	DISPLAY SIZE		OPERATING SYSTEM		MOUNTING VERSION	
	10.4"	12.1"	Win	Linux	Vesa	Panel
C000 122-390	•		•		•	
C000 122-392	•			•	•	
C000 122-430	•		•			•
C000 122-431		•	•		•	
C000 122-432	•			•		•
C000 122-433		•		•	•	
C000 122-434		•	•			•
C000 122-436		•		•		•

CCpilot XM PRODUCT SPECIFICATIONS

COMPUTING CORE	
MAIN PROCESSOR	Intel Atom E3826 dual core
COPROCESSOR	Runs watchdog functions controlling integrity of product, for increased reliability and safety.
STORAGE	8 GB, CFast
RAM	2 GB, DDR3L
GPU	Intel® HD Graphics Gen 7. Integrated Graphics Processing Unit supporting hardware accelerated 2D, 3D and vector graphics.

DISPLAY	
TYPE	TFT with LED backlight.
COVER LENS	Synthetic polymer with anti-glare treatment.
SIZE AND RESOLUTION	10.4" & 12.1" – 4:3, XGA, 1024 x 768 pixels
COLOR DEPTH	24 bit
CONTRAST RATIO	10" - 700:1 12" - 600:1
BRIGHTNESS*	10" - 600 cd/m ² 12" - 500 cd/m ²
DIMMING	Automatic dimming through ambient light sensor. Dimming can be controlled manually via soft keys and/or touch screen.

HMI	
TOUCH SCREEN	Projected Capacitive or Resistive.
SOFT KEYS	3 configurable soft keys. Default functions of power and brightness control.
STATUS LED	Configurable status LED in front panel. Default function is for boot-up status and faults.
BUZZER	Configurable buzzer for alarms and notifications.

INTERFACES	
CAN	4 x CAN, physical layer ISO 11898 2.0B. Bit-rate configurable 20 kbps - 1 Mbps. 2 CAN ports galvanically isolated. 2 CAN ports with CAN power, current up to 2 A, single on/off control.
ETHERNET	2 x Ethernet. 10/100 Base-T.
USB	2 x USB 2.0
SERIAL	1 x RS232. Galvanically isolated.
DIGITAL IN	4 x Digital In, pull-up.
VIDEO	4 x Analogue Video in, NTSC or PAL. 4 x video power, 12V, combined current limit at 1A, individual on/off control.
AUDIO	Stereo line out, line in, mic in
POWER SUPPLY	12 or 24 VDC nominal voltage. Voltage range 10-34 VDC. CPU and communication operational down to 6,0 VDC.

SOFTWARE	
OPERATING SYSTEM	Win7 or Yocto-based Linux system with kernel 3.10+
SOFTWARE APPLICATION PLATFORM	LinX Software Suite, available with a variety of extension modules to suit individual user needs.

ENVIRONMENT	
IP CLASS	IP65
EMC CONFORMITY	CE-certified for earth moving and construction machinery. 2004/108/EC, EN61000-6-2:2005, EN61000-6-4:2007, ISO 14982:2009, ISO 13766:2006, ISO 7637-2:2011 - Test level III, ISO/TR 10605:2008
VIBRATIONS	0,01g2/Hz 5-200 Hz
SHOCK	5 g/11ms 3x±1000 bumps
TEMPERATURE RANGE (°C)	Operating: -25 to +70 Storage: -40 to +85

ENCLOSURE	
HOUSING MATERIAL	Aluminium
MECHANICAL INSTALLATION	Vesa 75 bracket or flush panel mounting (model dependent).
CONNECTORS	DIN M12, SMA for antennas.

SIZE AND WEIGHT	
W x H x D (mm)	10": 278 x 215 x 72 12": 316 x 251 x 73
WEIGHT (kg)	10": 2.9 12": 3.5

* Typical values

crosscontrol

Sales contact: sales@crosscontrol.com | General: info@crosscontrol.com | www.crosscontrol.com

© 2019 CrossControl. All rights reserved. The information herein is supplied without any guarantees and can change without prior notification. Check www.crosscontrol.com for latest version. Shielded cables may be necessary to fulfill industrial EMC standards. Some functionality may have limited operating temperatures. Windows are trademarks of Microsoft Corporation. Linux is the registered trademark of Linus Torvalds. Intel Atom is a trademark of Intel Corporation. CANopen is a registered trademark of CAN in Automation (CiA).