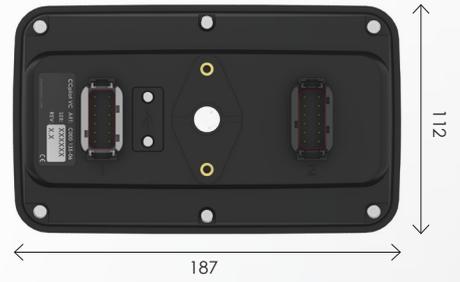




(mm)



# CCpilot VC FREELY PROGRAMMABLE MULTIFUNCTIONAL 5" DISPLAY

CCpilot VC is a 5" full-colour display with a powerful ARM CPU. The open LinX™ software platform offers a choice of powerful tools for application development. This, together with a WVGA high brightness display and hardware accelerated 2D, 3D and vector graphics, enables fast design of premium user interfaces. With optional touch screen and configurable soft keys, operators are offered an intuitive interaction with the system.

CCpilot VC has multifunctional capability and can be used as instrumentation display, machine control HMI, video monitor, electronic manual and more. By adding the wireless extension module CrossLink AI, featuring WiFi, modem, GNSS and Bluetooth, CCpilot VC can be used for telematics, GIS and Fleet Management functionality.

**Turn for technical specifications »**

## Standard models

PART NUMBER	SOFT KEYS	TOUCH SCREEN	OPTICAL BONDING
C000 135-02	•		
C000 135-04		•	
C000 135-06	•	•	
C000 135-07	•		•

# CCpilot VC PRODUCT SPECIFICATIONS

COMPUTING CORE	
<b>MAIN PROCESSOR</b>	Freescale i.MX 537, 32 Bit ARM processor. Runs freely programmable Linux system and LinX™ Software Suite base package.
<b>COPROCESSOR</b>	Runs watchdog functions controlling integrity of product, for increased reliability and safety.
<b>STORAGE</b>	512 MB NAND flash for operating system and applications.
<b>RAM</b>	512 MB DDR3
<b>GPU</b>	Integrated Graphics Processing Unit supporting hardware accelerated 2D, 3D and vector graphics.

DISPLAY	
<b>TYPE</b>	TFT with LED backlight.
<b>COVER LENS</b>	Glass with anti-reflective treatment
<b>SIZE AND RESOLUTION</b>	5" WVGA, 800 x 480 pixels
<b>COLOR DEPTH</b>	24 bit
<b>CONTRAST RATIO</b>	600:1
<b>BRIGHTNESS*</b>	800Cd/m2 without touchscreen, 700 Cd/m2 with touch screen.
<b>DIMMING</b>	Automatic dimming through ambient light sensor. Dimming can be controlled manually via soft keys and/or touch screen.
<b>OPTICAL BONDING</b>	TFT and glass optically bonded. Optical bonding is optional.

HMI	
<b>TOUCH SCREEN</b>	Plastic cover lens with anti-reflective treatment.
<b>SOFT KEYS</b>	8 soft keys, configurable. Soft keys can be used as function keys for the GUI, to control Power On/Off, to control display brightness etc. Soft keys are optional.
<b>BUZZER</b>	Configurable buzzer for alarms and notifications.

INTERFACES	
<b>CAN</b>	2 x CAN, physical layer ISO11898 2.0B and J1939-11. Bitrate configurable 20 kbit/s - 1 Mbit/s.
<b>ETHERNET</b>	1 x Ethernet. 10/100 Base-T.
<b>USB</b>	2 x USB 2.0. 1 in multipin connector and 1 in mini-USB under cover on rear side.
<b>INPUTS</b>	2 configurable inputs for analog/digital sensors. May be used for measuring resistance, frequency, voltage, digital input or 4-20mA current loop (measuring voltage across an external 250 ohm resistor).
<b>OUTPUT</b>	2 configurable high side outputs for driving up to 1A. May be used for continuous driver or PWM output.
<b>POWER SUPPLY</b>	12 or 24 VDC nominal voltage. Voltage range 9-32 VDC. CPU and communication operational down to 6,0 VDC.
<b>KEY SWITCH</b>	1 x Key switch input, for start-up/shut down.
<b>VIDEO</b>	1 x Analog Video input. NTSC or PAL.

SOFTWARE	
<b>OPERATING SYSTEM</b>	Linux
<b>SOFTWARE APPLICATION PLATFORM</b>	LinX™ Software Suite, basic package. Extension modules available, eg. CODESYS.

ENVIRONMENT	
<b>IP CLASS</b>	IP66
<b>EMC CONFORMITY</b>	2004/108/EC, ISO 14982:2009
<b>VIBRATIONS</b>	0,02g2/Hz 5-500 Hz
<b>SHOCK</b>	30g/11ms 3x ±10 bumps
<b>TEMPERATURE RANGE (°C)</b>	Operating range: -25 to +70 Storage range: -40 to +85

ENCLOSURE	
<b>HOUSING MATERIAL</b>	Reinforced nylon
<b>MECHANICAL INSTALLATION</b>	Flush/panel mounting or mounting on stand/arm with diamond plate.
<b>CONNECTORS</b>	2 x Deutsch DTM06-12 connectors, 1 x Mini-USB.

SIZE AND WEIGHT	
<b>W x H x D (mm)</b>	187 x 112 x 48
<b>WEIGHT (kg)</b>	0.42

\* Typical values

## crosscontrol

Sales contact: [sales@crosscontrol.com](mailto:sales@crosscontrol.com) | General: [info@crosscontrol.com](mailto:info@crosscontrol.com) | [www.crosscontrol.com](http://www.crosscontrol.com)

© 2019 CrossControl. All rights reserved. The information herein is supplied without any guarantees and can change without prior notification. 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. Bluetooth is a trademark of Bluetooth SIG. CANopen is a registered trademark of CAN in Automation (CIA).