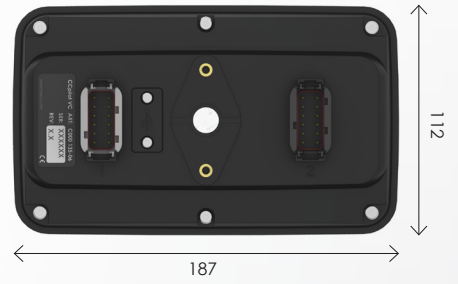




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CCpilot VC FREELY PROGRAMMABLE MULTIFUNCTIONAL 5" DISPLAY

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

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

HMI	
TOUCH SCREEN	Plastic cover lens with anti-reflective treatment.
SOFT KEYS	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.
BUZZER	Configurable buzzer for alarms and notifications.

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

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

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

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

SIZE AND WEIGHT	
W x H x D (mm)	187 x 112 x 48
WEIGHT (kg)	0.42

* Typical values

crosscontrol
AN ACTUANT COMPANY

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