(mm)

156

252

51
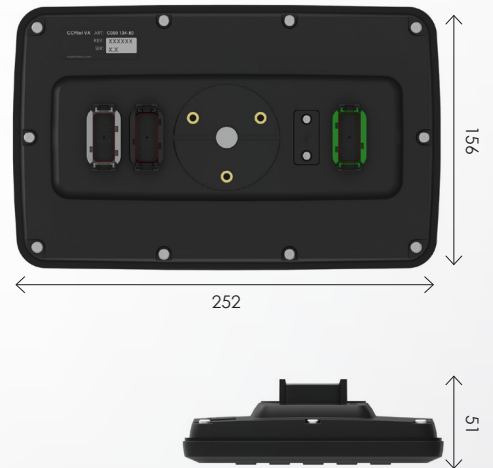
CCpilot VA FREELY PROGRAMMABLE MULTIFUNCTIONAL 7" DISPLAY

The CCpilot VA is a 7" full colour display with a powerful ARM CPU. The display offers true sunlight readability and the GPU accelerated graphics create a rich user experience. The open LinX Software Suite offers a variety of developer friendly tools to enable quick application development and deployment.

The latest version of the CCpilot VA is equipped with an IPS PCAP touch screen housed in a flat form factor for seamless integration into OEM hardware.

The uses of this multifunctional display computer include; instrumentation display, machine control, system monitory, diagnostics and electronic operator guidance. Paired with a wireless extension module, available from CrossControl, the device can become a complete telematics solution offering geo fencing, routing, machine data and more to both OEMs and fleet owners.

Turn for technical specifications »

Standard models

PART NUMBER	SOFT KEYS	TOUCH SCREEN	OPTICAL BONDING
C000 134-80	•	•	
C000 134-81	•		
C000 134-82	•	•	•
C000 134-83	•		•

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making machines smart, safe and productive

CCpilot VA 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
SIZE AND RESOLUTION	7" WVGA, 800 x 480 pixels or 7" WSVGA 1024 x 600 pixels
COLOR DEPTH	24 bit
CONTRAST RATIO	600-800:1 (model dependent)
BRIGHTNESS*	500-850 cd/m²
DIMMING	Automatic dimming through ambient light sensor. Dimming can be controlled manually via soft keys and/or touch screen.
OPTICAL BONDING	TFT and glass or touch screen optically bonded. Optical bonding is optional on some models.

HMI

TOUCH SCREEN	Projected capacitive or resistive
SOFT KEYS	10 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.
SERIAL	1 x Serial port
INPUTS	Up to 8 configurable inputs for analog/digital sensors. May be used for measuring resistance/ 4-20mA with resistor/frequency/digital/analog signals.
OUTPUTS	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	Up to 2 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	Up to IP67
EMC CONFORMITY	2004/108/EC, ISO 14982:2009, ISO 13309:2010
VIBRATIONS	IEC 60068-2-64 Random 0.02g²/Hz 5-2000Hz 3x3h
SHOCK	IEC 60068-2-27 50 g/11ms ±3 x 3 shocks
TEMPERATURE RANGE (°C)	Operating: -25 to +70 Storage: -40 to +85

ENCLOSURE

HOUSING MATERIAL	Reinforced nylon
MECHANICAL INSTALLATION	Panel mounting or mounting on stand/arm
CONNECTORS	3 x Deutsch DTM06-12 connectors, 1 x Mini USB

SIZE AND WEIGHT

W x H x D (mm)	252 x 156 x 51 or 194.2 x 138.2 x 50
WEIGHT (kg)	0.58-0.65

* Typical values

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