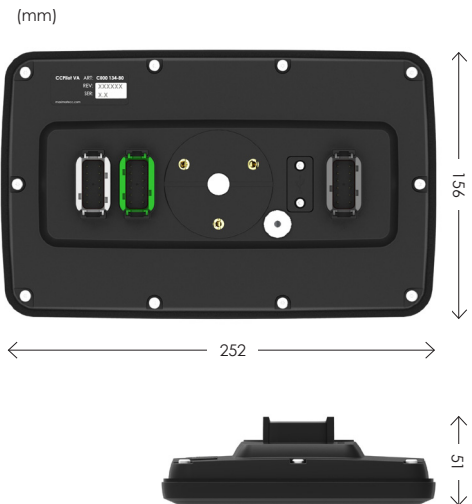


CCpilot VA

Freely programmable multifunctional 7" display



CCpilot VA is a 7" 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 all-glass PCAP touch screen and configurable soft keys, operators are offered an intuitive interaction with the system.

CCpilot VA has multifunctional capability and can be used as instrumentation display, machine control HMI, video monitor, Electronic manual and more. **Turn for technical specifications »**

Standard models

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

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CC
PILOT VA

CCpilot VA

Freely programmable multifunctional 7" display

COMPUTING CORE

MAIN PROCESSOR	Freescall 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	7" WVGA, 800 x 480 pixels
COLOR DEPTH	24 bit
CONTRAST RATIO	600:1
BRIGHTNESS*	500 cd/m ²
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	PCAP. Glass cover lens with anti-glare treatment. Touch screen is optional.
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 kbps - 1 Mbps.
ETHERNET	1 x Ethernet. 10/100 Base-T.
USB	2 x USB 2.0. 1 in Deutsch connector and 1 mini-USB under cover on rear side, for software upgrading.

INPUTS

8 configurable inputs for analog/digital sensors. May be used for measuring resistance/4-20mA/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

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	IP66
EMC CONFORMITY	2004/108/EC, ISO 14982:2009, ISO 13309:2010
VIBRATIONS	0,012-0.13g2/Hz 5-2000Hz 8grms
SHOCK	30g/11ms 3x ±10 bumps
TEMPERATURE RANGE (°C)	Operating: -25 to +70 Storage: -40 to +85

ENCLOSURE

HOUSING	Reinforced nylon
MECHANICAL INSTALLATION	Flush/panel mounting or mounting on stand/arm with diamond plate.
CONNECTORS	3 x Deutsch DTM06-12 connectors 1 x Micro/Mini USB -USB 2.0 OTG

SIZE AND WEIGHT

W X H X D (MM)	252 x 156 x 51
WEIGHT (KG)	0.65

*Typical values

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