



(mm)



# CCpilot VI FREELY PROGRAMMABLE 3.5" DISPLAY

CCpilot VI is a 3.5" full-color display with Linux operating system. The open LinX software platform offers a choice of powerful tools for application development. You can e.g. choose to develop the Graphical User Interface in Qt. This, together with a QVGA high brightness display and hardware accelerated 2D, 3D and vector graphics, enables fast design of premium user interfaces. With 4 freely configurable, backlit soft keys, operators can interact efficiently with the system.

CCpilot VI has multifunctional capability and can be used as instrumentation display, machine control HMI, Electronic manual and more. The advanced graphical features and multi-functional capabilities makes it possible to develop a more space efficient Graphical User Interface, saving real estate and cost in the operator environment and cab.

**Turn for technical specifications »**

## Standard models

PART NUMBER	LINUX	LINX BASE	CODESYS RUNTIME	CODESYS VISU
C000 144-05	•			
S020 144-05	•	•		
S021 144-05	•	•	•	
S002 144-05	•			•

# CCpilot VI PRODUCT SPECIFICATIONS

KERNEL	
<b>MAIN PROCESSOR</b>	Freescale i.MX6 SoloX
<b>COPROCESSOR</b>	Runs watchdog functions controlling integrity of product, for increased reliability and safety.
<b>STORAGE</b>	2GB eMMC flash for operating system and applications.
<b>RAM</b>	512 MB SDRAM
<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-glare treatment.
<b>SIZE AND RESOLUTION</b>	3.5" QVGA, 320*240 pixels
<b>COLOR DEPTH</b>	18 bit
<b>CONTRAST RATIO</b>	1000:1
<b>BRIGHTNESS*</b>	520 Cd/m <sup>2</sup>
<b>DIMMING</b>	Dimming 0 -100%. Dimming can be controlled manually via soft keys or from the software application.

HMI	
<b>SOFT KEYS</b>	4 soft keys, configurable. Soft keys can be used as function keys for the GUI, to control Power On/Off, to control display brightness etc. Backlight indicators with individual ON/OFF.
<b>BUZZER</b>	Configurable buzzer for alarms and notifications.

INTERFACES	
<b>CAN</b>	1 x CAN, physical layer ISO11898 2.0B and J1939-11. Bitrate configurable 20 kbps - 1 Mbps.
<b>ETHERNET</b>	1 x Ethernet. 10/100 Base-T.
<b>USB</b>	1 x USB 2.0.
<b>INPUTS</b>	4 configurable inputs (voltage 0-5V, resistive, frequency, digital in with PU/PD). 3 analog inputs, voltage 0-5V.
<b>OUTPUTS</b>	2 configurable outputs, low-side type, 1A. May be used for continuous driver or PWM output.
<b>POWER SUPPLY</b>	12 or 24 VDC nominal voltage. Voltage range 6-32 VDC.
<b>KEY SWITCH</b>	1 x Key switch input, for start-up/shut down

SOFTWARE	
<b>OPERATING SYSTEM</b>	Linux
<b>SOFTWARE APPLICATION PLATFORM</b>	LinX Software Suite, basic package. Extension modules available, eg. CODESYS.
<b>CCAUX API</b>	Power management, diagnostics, startup and sleep behavior configuration, button configuration, LED control, buzzer, etc.

ENVIRONMENT	
<b>IP CLASS</b>	IP66 and 67
<b>EMC CONFORMITY</b>	2004/108/EC, ISO 14982:2009, ISO 13309:2010, ISO 13766-1:2018
<b>VIBRATIONS</b>	0.02g <sup>2</sup> /Hz, 5-500Hz 3x3h
<b>SHOCK</b>	±50g /11ms ±3 x3, 18 total shocks
<b>TEMPERATURE RANGE (°C)</b>	-20C to +70°C (operating*) -30C to +80°C (storage)

ENCLOSURE	
<b>HOUSING MATERIAL</b>	Plastic PBT+PC
<b>MECHANICAL INSTALLATION</b>	Flush/panel mounting or mounting on stand/arm with diamond plate.
<b>CONNECTORS</b>	2 x Deutsch DTM06-12 connectors

SIZE AND WEIGHT	
<b>W x H x D (mm)</b>	119 x 79 x 48
<b>WEIGHT (kg)</b>	0.25

\* Internal buzzer deactivated below -30°C.

## 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. CANopen is a registered trademark of CAN in Automation (CIA).