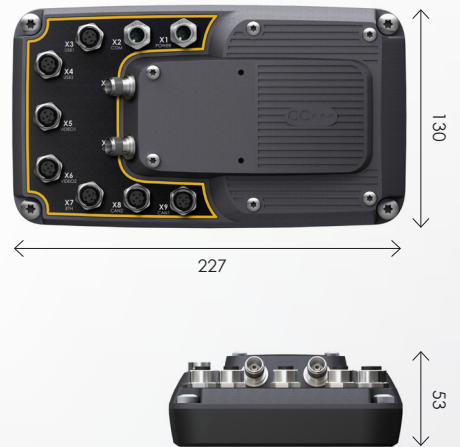(mm)

130

227

53

CCpilot XA FREELY PROGRAMMABLE MULTIFUNCTIONAL 7" DISPLAY

CCpilot XA is a 7" full-color touch screen display with a powerful ARM CPU and a robust aluminium enclosure to endure the most challenging operating environments. The open software platform has a choice of tools for design of premium graphical user interfaces. This, together with WVGA resolution and high brightness display, enables fast design of sharp user interfaces. With all-glass PCAP touch screen operators are offered an intuitive interaction with the system.

CCpilot XA 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	WIRED INTERFACES VERSION	MOUNTING VERSION		
	Standard	Vesa	Panel
C000 126-50	•	•	
C000 126-62	•		•
C000 126-250	•		•

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making machines smart, safe and productive

CCpilot XA 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	4 GB flash for for operating system and applications.
RAM	256 MB DDR3
GPU	Integrated Graphics Processing Unit supporting hardware accelerated 2D, 3D and vector graphics.

DISPLAY

TYPE	TFT with LED backlight.
COVER LENS	PCAP touch screen
SIZE AND RESOLUTION	7" WVGA, 800 x 480 pixels
COLOR DEPTH	24 bit
CONTRAST RATIO	600:1
BRIGHTNESS*	500 cd/m²
DIMMING	Automatic dimming through ambient light sensor. Dimming can be controlled manually via soft keys and/or touch screen.

HMI

TOUCH SCREEN	PCAP
SOFT KEYS	3 soft keys, configurable. Default function is Power On/Off and control of display brightness.
STATUS LED	Configurable status LED in front panel. Default function is for boot-up status and faults.
BUZZER	Configurable buzzer for alarms and notifications.

INTERFACES - COMMON FOR ALL VERSIONS

ETHERNET	1 x Ethernet. 10/100 Base-T.
SERIAL	1 x RS232. Galvanically isolated.
AUDIO	Stereo line out
POWER SUPPLY	12 or 24 VDC nominal voltage. Voltage range 10-34 VDC. CPU and communication operational down to 6,0 VDC.

INTERFACES - STANDARD VERSION

USB	1 x USB 2.0.
CAN	2 x CAN, physical layer ISO 11898 2.0B. Bitrate configurable 20 kbps - 1 Mbps. Galvanically isolated.
VIDEO	4 x Analogue Video in, NTSC or PAL. 4 x video power supply, 12V, combined current limit at 0.5A, individual on/off control.
DIGITAL I/O	4 x Configurable as in or out. Galvanically isolated.

INTERFACES - NET+ VERSION

CAN	4 x CAN, physical layer ISO 11898 2.0B. Bitrate configurable 20 kbps - 1 Mbps. CAN power output: 1A shared by all outputs. Not galvanically isolated.
USB	2 x USB 2.0.

SOFTWARE

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

ENVIRONMENT

IP CLASS	IP65
EMC CONFORMITY	2004/108/EC, EN61000-6-2:2005, EN61000-6-4:2007, ISO 14982:2009
VIBRATIONS	0,01g2/Hz 5-200 Hz
SHOCK	5 g/11ms 3x ±1000 bumps
TEMPERATURE RANGE (°C)	Operating: -25 to +70 Storage: -40 to +85

ENCLOSURE

HOUSING MATERIAL	Aluminium
MECHANICAL INSTALLATION	One version for flush/panel mounting and one version for mounting on stand/arm with VESA 50 bracket.
CONNECTORS	DIN M12 for all wired interfaces. SMA for wireless interfaces/antennas.

SIZE AND WEIGHT

W x H x D (mm)	227 x 130 x 53
WEIGHT (kg)	1.1

* Typical values

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