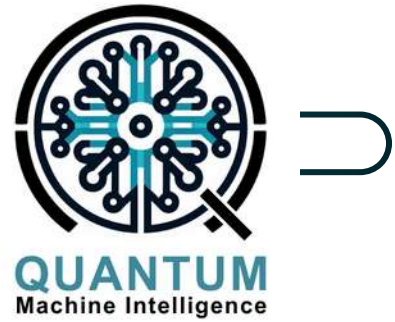




crosscontrol

making machines smarter, safer and more productive

CCpilot VI

FREELY PROGRAMMABLE 3.5" DISPLAY

About The CCpilot VI

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.



(mm)



crosscontrol - CCpilot VI Product Specifications

KERNEL

MAIN PROCESSOR	Freescale i.MX6 SoloX
COPROCESSOR	Runs watchdog functions controlling integrity of product, for increased reliability and safety.
STORAGE	2GB eMMC flash for operating system and applications.
RAM	512 MB SDRAM
GPU	Integrated Graphics Processing Unit supporting hardware accelerated 2D, 3D and vector graphics.

SOFTWARE

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

DISPLAY

TYPE	TFT with LED backlight.
COVER LENS	Glass with anti-glare treatment.
SIZE & RESOLUTION	3.5" QVGA, 320*240 pixels
COLOUR DEPTH	18 bit
CONTRAST RATIO*	1000:1
BRIGHTNESS*	520 Cd/m ²
DIMMING	Dimming 0 -100%. Dimming can be controlled manually via soft keys or from the software application.

HMI

SOFT KEYS	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.
BUZZER	Configurable buzzer for alarms and notifications.

ENVIRONMENT

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

*Internal buzzer deactivated below -30°C.

SIZE AND WEIGHT

W X H X D (MM) 119 x 79 x 48

WEIGHT (KG) 0.25

INTERFACES

CAN 1 x CAN, physical layer ISO11898 2.0B and J1939-11. Bitrate configurable 20 kbps - 1 Mbps.

USB 1 x USB 2.0.

ETHERNET 1 x Ethernet. 10/100 Base-T.

INPUTS 4 configurable inputs (voltage 0-5V, resistive, frequency, digital in with PU/PD). 3 analog inputs, voltage 0-5V.

OUTPUTS 2 configurable outputs, low-side type, 1A. May be used for continuous driver or PWM output.

POWER SUPPLY 12 or 24 VDC nominal voltage. Voltage range 6-32 VDC.

KEY SWITCH 1 x Key switch input, for start-up/shut down

ENCLOSURE

HOUSING MATERIAL Plastic PBT+PC

MECHANICAL INSTALLATION Flush/panel mounting or mounting on stand/ arm with diamond plate.

CONNECTORS 2 x Deutsch DTM06-12 connectors



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