CCpilot VC

Freely programmable, multifunctional display

CCpilot VC is a 5'' full-colour display with a powerful ARM CPU. The open software platform has a choice of tools for design of premium graphical user interfaces. This, together with WVGA display resolution and high brightness display, enables fast design of sharp interfaces with high usability.

With touch screen and configurable soft keys, operators are offered a user friendly interaction with the system. CCpilot VC has multifunctional capability and can be used as instrumentation display, control system GUI, video monitor, Service tool and more. **Turn for technical specifications »**

Model specifications

	PART NUMBER C000 135-02	PART NUMBER C000 135-04	PART NUMBER C000 135-06	PART NUMBER C000 135-07
- TOUCH SCREEN		•	•	
- 8 SOFT KEYS	•		•	•
- OPTICAL BONDING				•

The content herein is preliminary and may be subject to change without further notice.

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General specifications

KERNEL	
MAIN PROCESSOR	Freescale i.MX 537, 32 Bit ARM processor. Runs freely programmable Linux system and LinX Software Suite base package.
CO-PROCESSOR	Runs watchdog functions controlling integrity of product, for increased reliability and safety.
STORAGE	512 MB Flash
EEPROM	4 kByte
RAM	256 MB DDR3

DISPLAY	
TYPE	TFT with LED backlight and anti-glare coated glass
SIZE AND RESOLUTION	5'' WVGA, 800 x 480 pixels
COLOUR DEPTH	24 bit
BRIGHTNESS	650 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 optically bonded. Optical bonding is optional, see Standard model specifications.

HMI	
TOUCH SCREEN	Type: Resistive. Touch screen is optional, see Standard model specifications
SOFT KEYS	8 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, see Standard model specifications
BUZZER	For alarms and notifications

INTERFACES	
CAN	2 x CAN. ISO11898 2.0B, bitrate configurable 20 – 250 kbps.
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.
VIDEO	1 x Analog Video input. NTSC or PAL.
KEY SWITCH	1 x Key switch input, for start-up/shut down
INPUTS	2 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

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
VIBRATIONS	0,02g2/Hz 5-500 Hz
SHOCK	30g/11ms 3x ±10 bumps
TEMPERATURE RANGE (°C)	Operating range -40 to +70 C Storage range -40 to +85 C

ENCLOSURE	
HOUSING MATERIAL	Plastic
MECHANICAL INSTALLATION	Flush/panel mounting or mounting on stand/arm with diamond plate.
CONNECTORS	2 x Deutsch DTM 12-pin connectors 1 x Micro/Mini USB -USB 2.0 OTG

SIZE AND WEIGHT	
W X H X D (MM)	187 x 112 x 48
WEIGHT (KG)	0.425

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