CCpilot XM

PC-based touch screen display

(mm)

215
278
71

CCpilot XM is a 10" and 12" PC-based touch screen display computer for creating advanced HMI systems where process controls, video monitoring and other operator support functionalities are integrated. It features optional built-in wireless interfaces like WLAN, GPRS and Bluetooth, enabling various forms of asset management and remote connectivity functions. The open software platform has a choice of tools for software engineering, enabling fast application design. With its Intel Atom Z530 CPU and a robust aluminium enclosure, it delivers dependable performance in demanding applications. **Turn for technical specifications »**

Standard models

PART NUMBER	DISPLAY SIZE 10"4	12"	15"	OPERATING SYSTEM WIN	LINUX	MOUNTING VERSION VESA	PANEL	WIRELESS INTERFACE OPTION
C000 122-60	•				•	•		
C000 122-61	•				•	•		•
C000 122-346	•				•		•	
C000 122-197	•			•		•		
C000 122-51	•			•		•		•
C000 122-356	•			•			•	
C000 122-357	•			•			•	•
C000 122-64		•			•	•		
C000 122-65		•			•	•		•
C000 122-344		•			•		•	
C000 122-345		•			•		•	•
C000 122-328		•		•			•	
C000 122-55		•		•			•	•
C000 122-329		•		•			•	•
C000 122-66			•		•	•		
C000 122-67			•		•	•		•
C000 122-57			•	•		•		•
C000 122-340			•	•			•	

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PILOT XM

CCpilot XM
PC-based touch screen display

COMPUTING CORE

MAIN PROCESSOR	Intel Atom Z530
COPROCESSOR	Runs watchdog functions controlling integrity of product, for increased reliability and safety.
STORAGE	16 GB, CF
RAM	2 GB, DDR2
GPU	Intel HD graphics 4000

DISPLAY

TYPE	TFT with LED backlight
COVER LENS	Plastic with anti-glare treatment
SIZE AND RESOLUTION	10"4 or 12"1 or 15", XGA, 1024 x 768 pixels
COLOR DEPTH	24 bit
CONTRAST RATIO	10" - 700:1, 12" - 600:1
BRIGHTNESS*	10" - 600 cd/m² 12" - 500 cd/m² 15" - 640 cd/m²
DIMMING	Automatic dimming through ambient light sensor. Dimming can be controlled manually via soft keys and/or touch screen

HMI

TOUCH SCREEN	Resistive
SOFT KEYS	3 soft keys, configurable. Deafult 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

CAN	4 x CAN, physical layer ISO 11898 2.0B. Bit-rate configurable 20 kbps - 1 Mbps. 2 CAN ports galvanically isolated. 2 CAN ports with CAN power, current up to 2 A, single on/off control.
ETHERNET	2 x Ethernet. 10/100 Base-T.
USB	2 x USB 2.0
SERIAL	1 x RS232. Galvanically isolated.
DIGITAL IN	4 x Digital In, pull-up.
VIDEO	4 x Analogue Video in, NTSC or PAL. 4 x video power, 12V, combined current limit at 1A, individual on/off control.
AUDIO	Stereo line out, line in, mic in.

POWER SUPPLY	12 or 24 VDC nominal voltage. Voltage range 10-34 VDC. CPU and communication operational down to 6,0 VDC.
GPS	GPS receiver from U-Blox/Fastrax. Module designation: IT500. Active antenna, 3.3V, 50 mA bias.
GPRS/3G	GSM/GPRS modem from Telit. Module designation: GE865-QUAD.
WLAN	Complete 802.11 b/g/n radio solution from Radicom. Module designation: WiFiHU-c.
BLUETOOTH	HCI Bluetooth. Fully integrated Bluetooth 2.1 class 1 module from BlueGiga. Module designation: WT11i-E-HCI21.

SOFTWARE

OPERATING SYSTEM	Linux or Win7
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	0,01 g2/Hz 10-200 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 75 bracket.
CONNECTORS	DIN M12, SMA for antennas.

SIZE AND WEIGHT

W x H x D (mm)	10": 278 x 215 x 72 12": 316 x 251 x 73 15": 380 x 300 x 77
WEIGHT (kg)	10": 2.9 12": 3.5 15": 4.0

*Typical values

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