



CC Pilot XLi

– high performance integrated on-board PC



The **CC Pilot XLi** is a high performance integrated PC and display, ideal for use in control and information systems. The unit has no moving parts, ensuring high reliability in challenging mobile applications. The CC Pilot XLi is an industrial product, intended for heavy duty professional use.

The CC Pilot XLi is designed to deliver highest possible performance under the severe environmental conditions and temperatures that can appear in a construction machine and other types of heavy vehicles.

High computing power

The computer is equipped with a powerful Intel Core Duo 1,66 GHz CPU which combines high-end performance with low power consumption. User data is stored on a non-rotating hard disk (Compact Flash) of 1GB size, exchangeable through a hatch on the enclosure.

The design responds to the needs in advanced on-board control and information systems where the display computer is used by several sub-systems, each requiring considerable computing capacity.

Integrated, robust design

The CC Pilot XLi comes in one single, sleek package with CPU

and display housed in a robust aluminium enclosure.

The unit is especially designed for panel mounting. The aluminium cooling flanges secure good cooling inside the panel and thereby ensures performance also at high ambient temperatures.

When panel mounted, the front of the unit offers IP65 protection.

The CC Pilot XLi has robust and reliable DIN M12 connectors for power supply and interfaces.

Reliability and safety in focus

The CC Pilot XLi has no moving parts; no fan and no rotating hard disk. In challenging mobile applications this leads to higher reliability and less unplanned downtime.

The CC Pilot XLi has a powerful watchdog function for status monitoring and management of unit operation. One example of use is when the application running on the unit crashes. Then the

watchdog handles an automatic restart. The watchdog makes the unit suitable for use in safety critical systems and enables SIL-rating of the system.

Flexibility in power supply

The CC Pilot XLi has a very wide power supply range; the unit can be used in 24, 48, 72 and 110 VDC systems.

Durable HMI

The CC Pilot XLi has a 10"4 TFT display. The resistive touch screen is of the new all-glass type which means higher brightness, crisp contrast and higher resistance against scratches and wear.

**Turn the page
for technical
specifications »**

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SPECIFICATIONS

Kernel

Processor	Intel Core Duo 1,66 GHz
Hard disk	Compact Flash (1 GB default, 2-16 GB optional), exchangeable via hatch on enclosure
RAM	512 MB, SO-DIMM DDR2

Interfaces

2 x Ethernet	10/100 Base-T
2 x USB	2 pcs. Full speed, 12 Mbps USB 1.1
1 x COM	RS232
Light sensor	Ambient light sensor in front
LED indicator	Yellow and red LED for status indication
Touch screen	Resistive, all-glass

Display

Size	10"4
Resolution	SVGA (800x600) 256k colours
Format	4:3

Power

Voltage	24-48 (16,8-67,2) VDC or 72-110 (43,2-137,5) VDC
Consumption	~47W at 100% load

Environment

Enclosure class	IP65 on front IP20 on rear side
Temperature range	-25 °C – +65 °C (operating) -40 °C – +70 °C (storage)
EMC conformity	2004/108/EC, EN61000-6-2:2001, EN61000-6-4:20011
Vibrations	0,79 g 5–20 Hz -6dB/oct 20–150 Hz 3x5h
Shock	5g/30ms 3x3x3

Software

Operating system	Windows® XP Embedded or Linux®
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Watchdog

Internal temperature	Protection against overheating in abnormal ambient conditions
Automatic restart	Computer restart based on application timeout period

Size and weight

D [mm]	85
H [mm]	207
W [mm]	270
Weight [kg]	4.2

– advanced machine controls

Manufacturer contact information

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