



SiGaPC-14X

Features:

- low power Intel® Atom™ processor
- small, reliable and silent
- no moving parts
- resistant to dust, shocks, drops and moisture (IP-42)
- operating temperature -40°C to +75°C (ambient)
- DIN mounting standard
- Solid State Drive
- built-in UPS (optional)

Description:

SiGarden presents the latest industrial computer for rugged conditions, all environments and extended temperature range (-40°C to +75°C). Based on SiGarden XL-100 processor module with Intel Atom Z510PT or Z520PT CPU and US15WPT chipset. For standard temperature range (0°C–55°C) you can also get a version with Intel Atom Z530P clocked at 1.6 GHz for higher performance.



Technical data:

Processor/Chipset & memory

- Intel® Atom™ Z510PT 1.1 GHz or
- Intel® Atom™ Z520PT 1.33 GHz or
- Intel® Atom™ Z530P 1,6 GHz
- Chipset: Intel® US15WPT
- Memory up to 2 GB SODIMM DDR2

BIOS

- Designed and written by SiGarden - custom, stable solution

Ethernet

- 1 x 10/100/1000 Gb

Mass storage cards

- 2 x SDHC connector
- 1 x SDHC connector + full SDIO compliant connection

Wireless connectivity

- 1 x miniPCIe (internal port for GSM/GPRS/UMTS/CDMA modems)
- 1 x internal SIM card connector

Antenna

- 1 x WiFi
- 1 x Bluetooth/CDMA/GSM [opcjonalnie]

Display

- 1 x VGA (DB15)
- Intel GMA500 graphic chip
 - hardware 3D acceleration (OpenGL, DirectX)
 - hardware video acceleration (VAAP1 standard, H.264, MPEG1 2/4, VC1/WMV9)
- FullHD 1080i playback capable

I/O Ports

- 3 x USB 2.0
- 4 x RS-232 (DB9)
- 1 x GPIO (DB15)
- 1 x miniPCIe, internal connector, possible options:
 - modem GSM/GPRS/UMTS/CDMA
 - WLAN 802.11b/g/n module
 - additional wired Gigabit Ethernet
 - 4 x UART RS232 or RS485
 - 4 x frame grabber
 - other miniPCIe compliant modules
- 1 x internal USB
- Mini-jack connector for speakers and microphone

Storage memory

- 16 GB built-in Solid State Drive (SSD)
- Additional mechanical SATA hard drive or SSD (ATA/SATA) inside the casing, up to 320 GB

Operating System

- Windows® XP
- Windows® XP embedded
- Linux

Power supply

- 10-36 V DC

Energy consumption

- 10-11 W (using SSD)
- 15 W (using mechanical HDD)

Casing

- Dust proof cast aluminium casing (basic color - black), IP42.
- Adapted to wall-mounting, VESA, DIN

Temperature range

- -40°C to +75°C
- 0°C to +55°C (for Intel® Atom™ Z530P 1.6 GHz)

Dimension & Weight

- 185,6 mm x 129 mm x 70,5 mm
- ~1 kg (depending on optional equipment)

About us

SiGarden creates innovative projects on its own and delivers advanced design services and full custom designs in the areas of: consumer electronics, telecom, automation, infotainment, health care, mission critical applications.

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