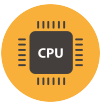

OutdoorBox

Series of industrial computers for outdoor use developed by VIT

Product summary



Based on the 4th and 5th generation of Intel Core i5, i7 CPUs.



Meets the IP66 standard.



Operating temperature range is -40°C ... +50°C.



Supervised by the watchdog timer & system monitor board to ensure 24/7 operation.



Coming in 2017: OutdoorBox 2.0 with 6th generation of Intel Core i3, i5, i7 CPUs, as well as Vecow and Quanmax industrial motherboards.

Applications

OutdoorBox is optimal for industrial use in:

- defense & security
- logistics & transportation
- IIoT (industrial internet of things)
- public services
- manufacturing automation

With OutdoorBox, you don't have to compromise between hardware performance and the place of its installation. Harsh environmental conditions are no longer the obstacle for processes control and data acquisition.

Due to its high level of protection from dust, moisture, oil, intense cold & heat and vibrations, OutdoorBox stays indifferent to microclimates which are destructive to mass market PCs. Premises with such conditions include:

- factories, mining plants, oil refineries, grain elevators;
- warehouses, including cold storage units;
- shipyards;
- container terminals;
- customs, border;
- vehicle access points;
- car washes;
- police cars, marine vessels;
- parkings, etc.

OutdoorBox is a proven component of VIT's complex solutions, like:

- pilots of EDGE, our traffic control platform currently under development (Kyiv & Odessa, Ukraine, Kutaisi, Georgia);
- patrol cars with on-board computers, running our license plate recognition software (police of Bogota, Colombia and Kyiv, Ukraine);
- traffic police posts (roads of Ukraine).

Key features

We offer two versions of OutdoorBox, which differ with their dimensions and hardware configuration:

- **OutdoorBox** — provided in enclosure of either our own design or KOMOTO's C series.
- **OutdoorBox Mini** — provided in enclosure of either our own design or KOMOTO's M series; the computer is more compact and thus more mobile, but causes customization limitations.



Example: KOMOTO's C36 enclosure



Example: KOMOTO's M3 enclosure

OutdoorBox and OutdoorBox Mini can be installed on vertical poles, tolls and mast arms.

OutdoorBox

CPU: Intel Core i3, i5, i7 (4th, 5th generation).

Chipset: Intel H77 or Intel Q87.

RAM: up to 16Gb (min. 4Gb).

Storage device / capacity: SSD Crucial / up to 2Tb (min. 250Gb).

Standard interfaces: Ethernet, USB 2.0 / 3.0, HDMI.

Power consumption: without heating — up to 80W, with heating — up to 180W.

Input voltage: 10-18V + capability to work from onboard vehicle network.

Enclosure protection level: IP66.

Dimensions: up to 315x250x145 mm.

Weight: up to 6 kg.

Operating system: Windows Embedded 64-bit or Linux (optional).

Operating temperature range: -40°C ... +50°C.

System monitor, watchdog timer: +

OutdoorBox Mini

CPU: Intel Core i3 / i5 / i7 (Mobile) or Intel Pentium / Celeron.

Motherboard: Intel NUC.

RAM: up to 8Gb (min. 4Gb).

Storage device / capacity: SSD Crucial / up to 500Gb (min. 250 Gb).

Standard interfaces: Ethernet, USB 2.0 / 3.0, HDMI.

Power consumption: without heating — up to 30W, with heating — up to 90W.

Input voltage: 10-18V + capability to work from onboard vehicle network.

Enclosure protection level: IP66.

Dimensions: up to 210x125x85 mm.

Weight: up to 1.7 kg.

Operating system: Windows Embedded 64-bit or Linux (optional).

Operating temperature range: -40°C ... +50°C.

System monitor, watchdog timer: +.

Optional components

According to customer's requirements, the following components can be added to OutdoorBox configuration:

- GPS module;
- additional SSD/HDD;
- WiFi adapter;
- WiMax adapter;
- machine vision camera (Basler, PointGrey);
- cooling module for a camera;
- power supply control board;
- RS485 interface board (4 independent channels);
- IR projector (KOMOTO);
- white/yellow light projector (Tirex).

Coming in 2017

OutdoorBox and OutdoorBox Mini with industrial motherboards of Vecow and Quanmax:

- CPU: 5th and 6th generation of Intel Core i3, i5, i7.
- Chipsets: Intel QM87 and Intel C236.
- RAM: up to 32Gb.
- External SIM card sockets for 3G/ 4G/ LTE/ WiFi/ GPRS/ UMTS.
- Operating Temperature: up to 60°C.

About developer

Video Internet Technologies Ltd. started its activity on video analytics market in 2005 with its head office in Kyiv, Ukraine. Our road safety products (AutoSDK, AutoCode, Overseer, OutdoorBox, EDGE) operate as standalone solutions and components in more than 1000+ installations worldwide. We have technological partnerships with world's leading vendors of surveillance equipment and video management software.

Find more at <http://vit.community>.

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