

INDUSTRIAL COMPUTER HPC-1



Catalogue card



DESCRIPTION

The HPC-1 industrial computer is a stationary device designed for displaying images from video monitoring systems and technological process monitoring systems. Thanks to the converters and barriers used, it enables the conversion of digital electrical signals (RS, LAN, Modbus, etc.) into optical signals.

Various designs of the HPC-1 computer enable the development of RS422 / RS485 ports, fiber optic or copper ETHERNET, WiFi connection, USB ports. The computer can be operated by a pad keyboard placed on a bracket attached to the housing.

The HPC-1 computer comes in many versions. The user can configure the following parameters:

- Processor type: Celeron, i3, i5
- Memory size: 1GB, 2GB, 4GB, 8 GB
- Hard drive: 1 or 2; SSD/HDD; from 120GB to 5TB
- Number of RS422/485 ports: from 0 to 4
- Number of ETHERNET 100base-FX ports: from 0 to 7
- Number of ETHERNET 10/100base-T/TX ports: from 0 to 7
- WiFi card: 0 or 1 port
- Number of USB ports: from 0 to 2
- Monitor size: from 17" to 28"

The design of the HPC-1 device allows the device to be installed in underground mines in rooms with the 'a' degree of methane explosion hazard, as well as in surface parts of mines. The device can also work outside of mining (in industry).

BASIC TECHNICAL DATA

Industrial computer HPC-1

Power supply	110÷230V AC, 50Hz, 140W
Working temperature	from -20 °C to + 40°C
Relative humidity range	from 0% to 95% without condensation
External dimensions (without glands)	600 x 600 x 250 mm or 800 x 800 x 300 mm
Weight (depending on the version)	up to 40 kg
Ingress protection	IP54

EXPLOSION-PROOF MARK

⊕ I (M1) [Ex ia op is Ma] I

⊕ II (1) [Ex ia op is Ga] IIB

EU-type examination certificate: JSHP 20 ATEX 0022