



Tactical Server

SUS-8

Efficient server in the Intel architecture

Intended to be built-in and to be used in tactical field objects

Possibility of installing different operating systems, including Windows and Linux

Possibility of manufacturing certified versions as a platform for certified systems

Rugged compact case

The device SUS-8 fulfils a function of a platform for the server software, which provides network services, especially in cooperation with IT devices manufactured by Transbit Sp. z o. o.

Due to the universal architecture, based on solutions of the company Intel, it is possible to install standard Windows and Linux systems and the application software being useful in conducting tasks of tactical level command and control objects: data bases, C4ISR application module, programming converters, Proxy Server and others, as well as the software of workstations.

The server is equipped with two removable Solid-State Discs (SSDs) and all necessary interfaces: USB, RS-232, VGA/DVI, Ethernet, audio.

It is possible to manufacture a certified version of the server, equipped with mechanisms allowing for the installation and the accreditation of the certified software processing the classified information.

SUS-8 is a device designed to work in difficult mechanical and climatic conditions and it is adjusted to operate in motion.

If used in tactical vehicles (e.g. KTO Rosomak), it is possible to do the installation using special suspension elements provided by the producer (option).

TECHNICAL PARAMETERS

BASIC FUNCTIONALITIES

- Efficient Server in the Intel architecture
- Possibility of installing Windows and Linux operating systems
- Removable hard discs SSD with a possibility of RAID 0+1 operation
- Interfaces USB, VGA, DVI, RS-232, Ethernet
- Possibility to manufacture as a hardware platform for the certified software

INTERFACES

Electrical Interfaces Ethernet	2x10/100/1000Base-T/TX
	RJFTV22G Amphenol (RJ-45) connector
Speed rate	10/100/1000 Mbps
Auto-negotiation	Yes
MDI/MDIX	Yes
Work mode	Half/Full duplex
Range	90 m
RS Interface	2 x RS-232C
	Souriau connector
USB Interface	4 x USB 2.0
	Souriau connector
Video	VGA/DVI
	Souriau connector
Audio	Souriau connector
	Linear output
	Microphone output
	Headphone input

SERVER'S PARAMETERS

Possible operating systems	Windows, Linux (others consistent with the Intel architecture)
Discs	Hot-swap, RAID 0+1, minimum 60/120 GB Built-in SD card on operating system with record lock
Processor	Intel i7 4700EQ
LED signaling of operational status	
Managed by a console, keyboard/screen, Ethernet	
RAM memory	8/16 GB

POWER SUPPLY

Power supply	+27 V (from 18 V to 32 V)
Power consumption	<60 W

OTHER TECHNICAL PARAMETERS

Dimensions (HxWxD)	70x330x265 mm
Weight	<9 kg
Mechanical and climatic classification	Groups N.7 and N.11-O-II (A and B), acc. NO-06-A101÷108 (MIL-STD-810G compliant) (multi-use and continuous use equipment)
Electromagnetic compatibility	NO-06-A200 (MIL-STD-461F compliant) (KRE-02, KCE-02, KCS-01, KCS-06, KCS-07, KCS-08, KRS-02)
Operating temperature	From -30°C to +50°C
Storage temperature	From -40°C to +65°C
Humidity resistance	95-98% at +40°C

