LMCP-7H
Compact, ultra-durable server

Intel® Xeon® Processor
64 GB DDR4 Memory
6x 1G routed server ports
USB, RS-232 serial ports

Description:

The OPTOKON compact ultra-durable server LMCP-7H is equipped with Intel® CPU, M2 on board disc, one removable SSD disc and up to 6 routed Gigabit Ethernet ports. The LMCP-7H supports up to 64 GB of DDR4 memory, resulting in a reduction in overall power consumption compared to DDR3-based servers.

The LMCP-7H offers military grade features in rugged box making it an ideal platform for applications in harsh and rugged environments. LMCP-7H can operate in harsh environment under temperature range from -32 to 75°C, sealed against dust and debris, our Rugged Line stands up to shock, vibration and extreme temperatures.

Features:

- Rugged design for harsh environmental use
- Removable high capacity SSD disc with erase functionality
- Button[1] for disc erasing
- Output ports configuration:
  - 6x routed GbE ports
  - USB
  - RS-232
- GSM-GPS module (optionally)
- Rugged D38999 multipin and MRJ[1] connectors
- Extended operating temperature range
- Wide power supply voltage range

Server configuration:

Processor:
9th Gen Intel® Xeon® Processor, 6 cores / 12 threads

Memory:
Dual Channel SO-DIMM DDR4-2133/2400 up to 64 GB

Disc:
NVMe M2 1TB on board disc
SSD 2TB removeable, with button for data erasing

Ports[2]:
6x routed 1G Ethernet
1x VGA output
4x USB 3.x
6x USB 2.0
2x RS-232
1x NTSC/PAL input[3]

OS support list:
Linux – CentOS 7.9
VMware vSphere 8.0
Windows Server
Windows 10
CUCM

Cellular module (option):
LTE Cat4. M.2 3042 Key B with GPS
Chipset: Qualcomm MDM9207
Certification: FCC/IC/GCF/Jate/Telec/RCM
OS: Windows, Linux, Android

Note: 1) protected by removeable cover
2) max number of available ports, final configuration depends on capacity of 37-pins connector
3) external adapter connected through USB port

Mechanical & Environmental:

- Size W x H x D: 220 x 70 x 290 mm
- Weight: 4.9 kg
- Power supply: 20 – 40 V DC
- Power consumption: 50 W
- Operating temperature: -32 °C to +75 °C
- Storage temperature: -40 °C to +85 °C
- Environmental design complies with MIL-STD-810G
- Mechanical parameters: ČOS 999902, 3rd edition according to method 7B - light tracked vehicle
- EMC – Electromagnetic compatibility: MIL-STD-461G: RE102, CE102, CS114, RE103

Order code:

LMCP-7H/(GSM)	Intel® Xeon® Processor, 1x 2 TB SSD, 64 GB RAM, 6x routed Ethernet port, (GSM-GPS module optionally)

Accessories:

Standard:
- Manual
- Power cable DC 3 m: PSCAB2-03 (26WB2SN to 2x bare wires, 3 m length)

Optional:
- Recovery medium: URM-02
- Power supply connector set: LMCON-PSC-01
- LMCP-7H Multi cables, xx-length (m), detailed description according to CAB_01-21_EN-LMCAB-Multi D38999:
  - Management cable: LMCP7CAB-MNG-A-xx 2x Ethernet RJ-45 female, 1x USB female, 1x 6-pin 26WA35PN – data erasing
  - Multi I/O cable: LMCP7CAB-MLT-A-xx 4x Ethernet RJ-45 female
    according to request[4]
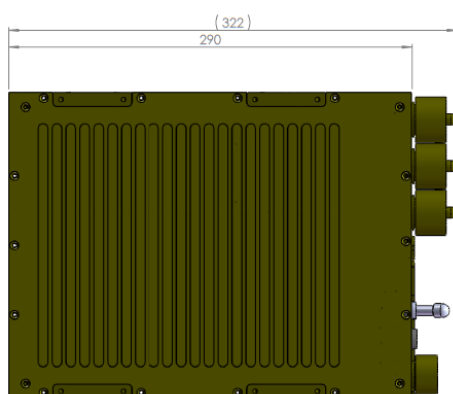
37-pins D38999 connectors configuration:

1. Management connector:
   - 2x Ethernet
   - 1x USB 2.0
   - data erasing
   - *VGA (reserve)*[5]

2. Multi I/O connector:
   - 4x Ethernet

3. Multi I/O connector[4]
   - 4x USB 2.0
   - 2x COM
   - *Audio signal*[5]
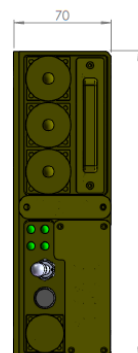   - *Other*[5]

Other connectors
- 4x MRJ (USB 3.1)
- DB15 (VGA)
- 2-pins (power supply)

Note: 4) possible signal combination – up to 37-pin connector capacity
   5) on request

Dimensions:

LMCP-7H – dimensions

LMCP-7H – Removable disc