# LMCP-7H
## Compact, ultra-durable server

**Intel® Xeon® Processor**
**Up to 64 GB DDR4**
**Up to 6x 1G routed server ports**
**USB, RS-232/422/485, CANbus**

## Description:

The OPTOKON compact ultra-durable server LMCP-7H is equipped with Intel® CPU, removable SSD disc and 4 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 for disc erasing
- Variable output ports configuration:
  - Up to 6x routed GbE ports
  - USB, RS-232/422/485
  - CANbus, GPIO
- 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:
SSD 2 TB removeable, equipped with button for quick erasing

**Ports[2]:**

6x routed 1G Ethernet
1x VGA output
4x USB 3.x
6x USB 2.0
5x RS-232/422/485
4x RS-232
3x CAN bus
3x GPIO
1x NTSC/PAL input[3]

**OS support list:**

Linux – CentOS 7.6
VMware 6.0 vSphere
Windows server
Windows 10
MS Office
CUCM
SNMP

**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:     -32 °C to +75 °C
- Environmental design complies with MIL-STD-810G
- EMC – Electromagnetic compatibility: MIL-STD-461F: RE102, CE102, CS114, RE103,

## Order code:

**LMCP-7H-0403-CX[4]a/(GSM)** Intel® Xeon® Processor, 1x 2 TB SSD, 64 GB RAM, 4/6x routed Ethernet port, CANbus, GSM-GPS module (optionally)

Note: 4) **X: 4**  4x routed Ethernet ports
        **6**  6x routed Ethernet ports

## Accessories:

**Standard:**
- Manual
- Power cable DC 3 m:    LMCAB-03-P2S-2W-DC    (26WB2SN to 2x bare wires)
- Boot medium:          UBM-01

**Optional:**
- Recovery medium:           URM-02
- Power supply connector set:  LMCON-PSC-01
- LMCP-7H Multi cables, xx-length (m):
  - Management cable:    LMCAB-xx-CP7-MNGT
  - Multi I/O cable:     LMCAB-xx-CP7-4xRJF    4x Ethernet
                         LMCAB-xx-CP7-yy[5]    according to request

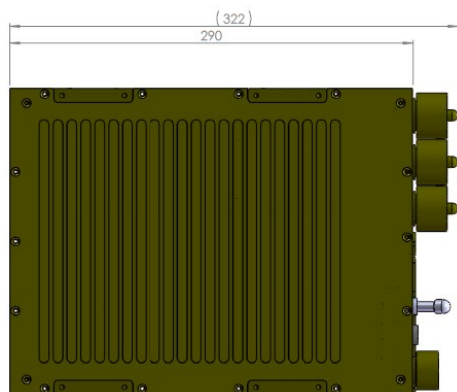### 37-pins D38999 connectors configuration:

1. Management connector:
   - 1x RS-232/422/485
   - 1x CANbus
   - Data erasing
   - 2x USB 2.0
   - 1x VGA (reserve)

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

3. Multi I/O connector[5]
   - 2x Ethernet
   - 4x USB 2.0
   - 8x COM
   - 3x GPIO
   - Audio signal
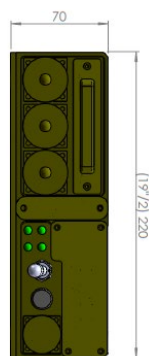
### Other connectors
- 4x MRJ (USB 3.1)
- DB15 (VGA)
- 2-pins (power supply)

Note: 5) possible signal combination – up to 37-pin connecor capacity

## Dimensions:



LMCP-7H – dimensions

LMCP-7H – Removable disc
Option with GSM-GPS module