

LMCP – SW

Basic operating software for LMCP – mobile computing platform

LMCP-28H-NG

LMCP-7H

LMS-41



Description:

The OPTOKON LMCP series introduces the new generation of highly versatile mobile computing platform which delivers a powerful and rugged **network router, network switch, server and VoIP** call manager. The system is equipped with power full **Intel® Xeon®** processor, high capacity RAM, two removable Storage disc SSD and wide range of connection ports, both fiber optic and copper wires.

HW Basic parameters

Base Board:

- Intel® Xeon® processor
- 64 GB RAM ECC DDR4 2400 MHz
- 2T SSD 2.5 inch

Server port configuration:

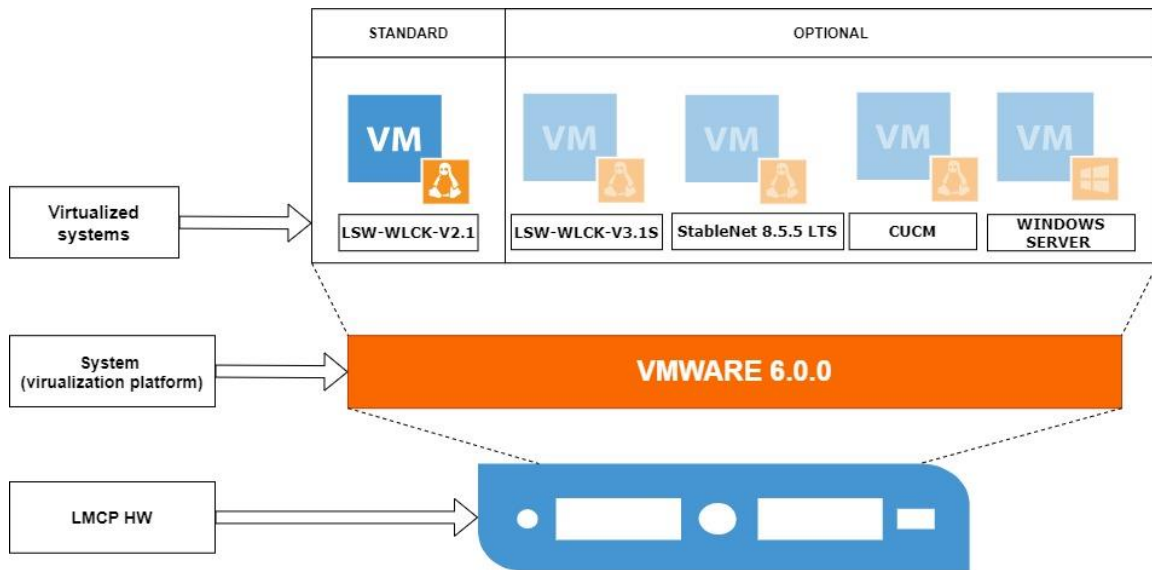
- 3-7 routed 1 GbE ports
- USB 2.0/3.x
- Video VGA port

Switch:

- 7x 10/100/1000Base-T switched PoE+ ports
- Advanced PoE+ management

Management and monitoring:

- IPMI with dedicated LAN, Support for Intelligent Platform Management Interface v2.0 with virtual media over LAN and KVM-over-LAN
- Support of iManager, SUSI APIs, WISE-DeviceOn and Edge AI Suite



Basic SW configuration

Status section

- Summary
- **▶ Interfaces**
- Routing table
- Firewall table
- DHCP Leases
- Time

Configuration section

- Ethernet Interface
- Serial Interface
- DHCP Server
- Firewall Profile
- Firewall Rules

Routing section

- Routing Information Protocol
- Static Routing
- OSPF Open Shortest Path First

Summary Interface

Showing 1-2 of 2 items.

#	Interface	Ip Address	Mask	Rx Bytes	Tx Bytes	Hw Address	Ip Addresses
1	ens160	192.168.225.136	255.255.255.0	19361	20224	00:0c:29:38:ac:7a	192.168.225.136/24
2	lo	127.0.0.1	LOOPBACK	78252	78252	LOOPBACK	127.0.0.1/8

Understanding

- ✔ This is a Color for 10/100 Mbps
- ✘ This is a Color for down interface
- ✔ This is a Color for 1000 Mbps
- ✔ This is a Color for other speed and special interface (like loopback)
- ✔ This is a Color for 10 Gbps

Example of SW window:

Overview of SW components:

Part number	Description
Standard items¹:	
VMware ESXi version 6.0.0 free	Free version with limited functionality
- LSW-WLCK-V2.3	Linux Cent OS 7.9 LMCP system - web interface, basic version
Options:	
VMware ESXi version 6.0.0 standard ³	VS6-STD-C (VM ware vSphere 6 Standard for 1 processor (License for 1 socket))
LSW-WLCK-V2.3S-xx ³	Linux Cent OS 7.9 LMCP system - web interface SNMP ² , basic monitoring based on LMCP functionality included
Cisco CUCM V11.5	SW Cisco Call manager version 11.5
Windows Server IoT 2022 Std	
Windows 10 IoT Enterprise 2021 LTSC	
other	

- Note:
- 1) SW might differ according to project requirements
 - 2) -xx SNMP version. It is recommended to run the SNMP on separate server
 - 3) min. SW delivered with LMCP to Army of the Czech Republic