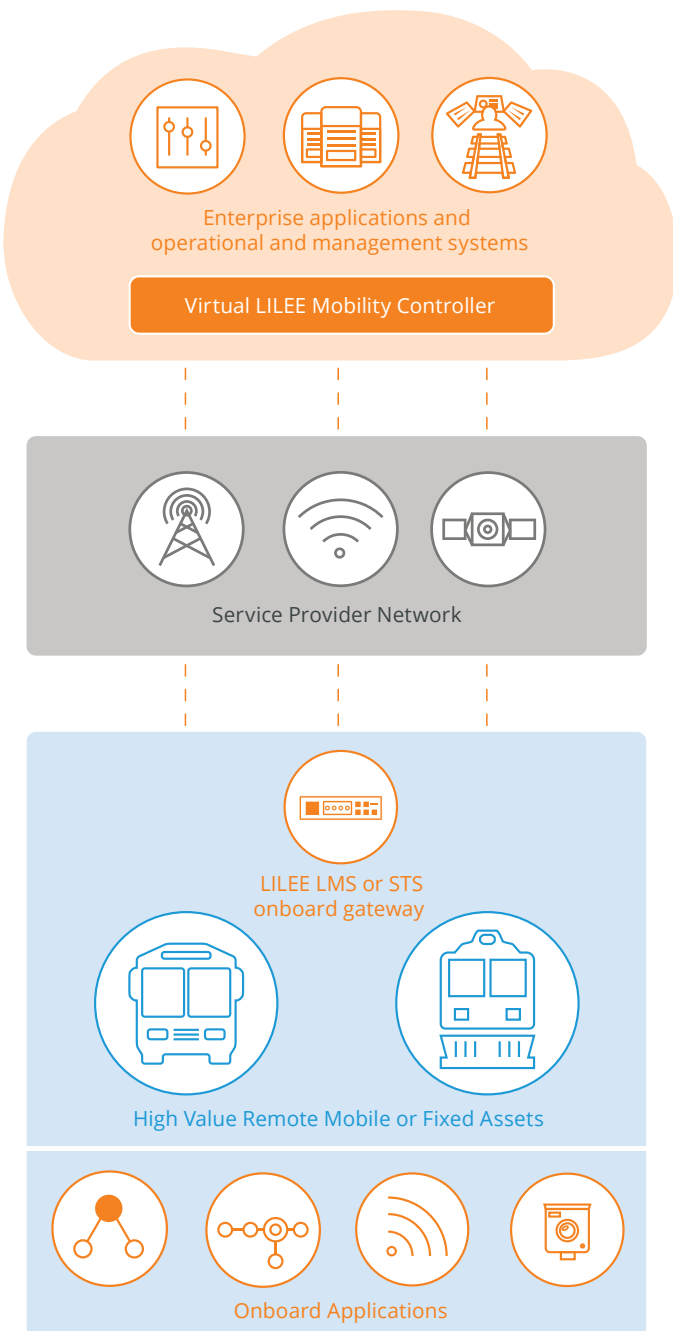


The virtual LILEE Mobility Controller (vLMC) provides ubiquitous, secure, and reliable connectivity between mission critical enterprise applications and high value remote mobile or fixed assets such as trains, waysides, buses, and trucks.

Ubiquitous, secure and reliable connectivity powered by the vLMC



The vLMC is a flexible, software-only alternative to the LILEE Systems LMC-5500 appliance, targeted at private and public cloud deployments such as VMWare ESXi, Amazon Web Services EC2, and Google cloud instance.

For operations management, communications networks, or specialized safety and control systems, the virtual LMC is optimized for high bandwidth services and applications such as passenger Wi-Fi and surveillance, and safety and operations applications. A web-based dashboard user interface provides real-time analytics to network managers and system administrators.

The vLMC manages remote devices such as the LILEE Systems LMS and STS gateways. Connectivity can be controlled reliably and securely.

### Ubiquitous

- End-to-end IP layer routing transparent to carrier technologies
- Topology agnostic connectivity to hide the complexity of the underlying network and support mobility across several heterogeneous networks

### Secure

- Secure Layer 2 tunneling with DTLS encapsulation to carry user traffic between mobile remote platforms and applications
- Continuous IP connectivity between mobile remote platforms and applications in the cloud

### Reliable Connectivity

- Aggregation of asymmetric links such as LTE, Wi-Fi, and Gigabit Ethernet
- Link monitoring and dynamic weighted load balancing to handle link quality degradation and failures

### Vertical Roaming

- Seamless connectivity to mobile remote platforms across WLAN, WWAN, LAN, and WAN
- Fast handover of less than 50 ms for roaming across base stations

### Simplified Management

- Comprehensive web-based remote device management
- SIM and client GUI management
- Profile-based configuration support

# vLMC Specifications

Feature	Description
LileeOS software	Release 3.1 or later
Packaging	Available in OVA format.
Hypervisor support	<ul style="list-style-type: none"><li>• VMware ESX/ESXi 5.5</li><li>• Amazon Web Services (AWS) EC2</li><li>• Google cloud instance</li></ul>
OS-level virtual environments (containers)	Not Supported
Hardware recommendations	<ul style="list-style-type: none"><li>• <b>CPU:</b> 8 cores</li><li>• <b>Memory:</b> 32 GB</li><li>• <b>Disk space:</b> 520 GB</li><li>• <b>Network interfaces:</b> 2 network interface cards (NICs) or virtual network interface cards (vNICs)</li></ul>
Management	<ul style="list-style-type: none"><li>• <b>Provisioning and management:</b> CLI, Secure Shell (SSH) Protocol, and RESTful APIs</li><li>• <b>Monitoring and troubleshooting:</b> UI based system status monitoring and VMware tools</li></ul>

Ordering Information/SKU	Description
LileeOS-vLMC	LileeOS virtual LILEE Mobility Controller (vLMC) Software License

## About LILEE Systems

LILEE Systems, recently listed as an Inc. 500 fastest growing private company, delivers integrated, open, and reliable industrial IoT wireless and wired connectivity solutions incorporating hardware, software, and services. LILEE solutions are improving operating efficiency and reducing costs in a wide range of industries. LILEE is headquartered in Silicon Valley, with offices in Taipei and Amsterdam.

### LILEE Systems

91 East Tasman Drive Suite 150  
San Jose, CA 95134  
+1 (408) 988-8672  
sales@lileesystems.com

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