

Data Sheet

# Ericsson Private 5G Compact Mobility Gateway

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Built around a converged 4G/5G cellular core, Ericsson Private 5G Compact has the flexibility to be deployed on the enterprise premises or in the cloud, thus enabling enterprises to maintain their data locally while still benefitting from the power of cloud-based configuration and policy management. With this inherent flexibility, the Ericsson Private 5G Compact Mobility Gateway enables secure access to enterprise data services from authenticated cellular endpoints.

## Reliability You Can Count On NetCloud Interoperability

Ericsson Private 5G Compact excels in network determinism, client mobility, and overall reliability, markedly outperforming Wi-Fi. The Ericsson Private 5G Compact Mobility Gateway ensures predictable network behavior with guaranteed bandwidth, essential for critical applications. Unlike Wi-Fi, where client devices determine handoffs, potentially leading to connectivity gaps, the mobility gateway manages client mobility seamlessly across multiple cellular access points (CAPs), ensuring devices maintain stable connections. This systemwide approach to managing connections enhances the reliability of the LAN, reducing downtime and maintaining consistent network performance.

## Notable benefits

- Utilizes dedicated spectrum and advanced interference management, significantly reducing the risk of connection drops and ensuring superior connectivity
- Powerful IT-friendly tools to integrate Ericsson Private 5G Compact with the existing enterprise LAN
- Flexible multi-core deployment options with on-premises virtual appliances or AWS/Azure cloud-based deployments
- End-to-end security, including SIM-based slicing, traffic prioritization, and unified policy management



[Product Page](#)



[NetCloud Service](#)



[Deployment Guides](#)

— On-premises high availability failover built in for resilient always-on networking

## Mobility Gateway Specifications

The Ericsson Private 5G Compact Mobility Gateway is a virtual machine image that is installed on either customer provided third-party hardware or cloud AWS or Azure servers, according to the following system requirements.

SYSTEM REQUIREMENTS (ALL CAPACITIES)	KVM	VMware	Hyper -V
<b>Software Version:</b>	Ubuntu 18.04	ESXi 6.7 or later	Windows Server 2022
<b>Instance:</b>	N/A	N/A	N/A
<b>vCPUs:</b>	8 Refer to hardware compatibility.	8 Refer to hardware compatibility.	8 Refer to hardware compatibility.
<b>Memory:</b>	16 GB	16 GB	16 GB
<b>Minimum Disk Space:</b>	24 GB	24 GB	24 GB
<b>vNICs:</b>	4 Refer to <a href="#">DPDK Hardware Compatibility</a> .	4 Refer to <a href="#">DPDK Hardware Compatibility</a> .	4 Refer to <a href="#">DPDK Hardware Compatibility</a> .
<b>Minimum NetCloud Private Network Release:</b>	7.22.120	7.22.120	7.24.70
PERFORMANCE			
<b>Concurrent Cellular Access Points:</b>	Up to 100	Up to 100	Up to 100
<b>Concurrent Cellular Clients:</b>	Up to 3,000	Up to 3,000	Up to 3,000
<b>Maximum Throughput (Subscription Options)†:</b>	<ul style="list-style-type: none"> <li>— 500 Mbps</li> <li>— 2 Gbps</li> <li>— 5 Gbps</li> </ul>	<ul style="list-style-type: none"> <li>— 500 Mbps</li> <li>— 2 Gbps</li> <li>— 5 Gbps</li> </ul>	<ul style="list-style-type: none"> <li>— 500 Mbps</li> </ul>

†Maximum throughput is bidirectional UDP traffic and assumes MTU 1,500-byte packets.

SYSTEM REQUIREMENTS (ALL CAPACITIES)	AWS	Azure
<b>Deployment:</b>	AWS	Azure
<b>Software Version:</b>	Ubuntu 18.04	Ubuntu 18.04
<b>Instance:</b>	c5.2xlarge	Standard_D8S_v3
<b>vCPUs:</b>	8	8
<b>Memory:</b>	16 GB	32 GB
<b>Minimum Disk Space:</b>	24 GB	24 GB
<b>vNICs:</b>	4	4
<b>Minimum NCX Service Gateway Release:</b>	7.23.50	7.23.60
PERFORMANCE		
<b>Concurrent Cellular Access Points:</b>	Up to 100	Up to 100
<b>Concurrent Cellular Clients:</b>	Up to 3,000	Up to 3,000

<b>Maximum Throughput (Subscription Options)†:</b>	— 500 Mbps	— 500 Mbps
	— 2 Gbps	— 2 Gbps
	— 5 Gbps	— 5 Gbps

†Maximum throughput is bidirectional UDP traffic and assumes MTU 1,500-byte packets.

## Ordering Guide

Ericsson Private 5G Compact is comprised of a mobility gateway, cellular access point(s), and NetCloud Private SIMs, which all have corresponding NetCloud Service plans. For a complete end-to-end management solution, Ericsson Cradlepoint routers and adapters should be added to the system. For details on Ericsson Private 5G Compact features, refer to the summary on the [NetCloud Service](#) webpage and the details in the NetCloud Service Features document. For more details on how to order Ericsson Private 5G Compact, refer to the following:

### Step 1: Select Ericsson Private 5G Compact Mobility Gateway capacity for the entire solution

STEPS	COMPONENT	DESCRIPTION
1	Mobility Gateway	<ul style="list-style-type: none"> <li>— 500 Mbps throughput</li> <li>— 2 Gbps throughput</li> <li>— 5 Gbps throughput</li> </ul>

## NetCloud Service Plans

REGION	PACKAGE PLAN	DESCRIPTION†	PART NUMBER
US only:	Mobility Gateway	PROMO — 500 Mbps	NCPN-000x-MG500MBPS
		PROMO — 2 Gbps	NCPN-000x-MG2GBPS
		PROMO — 5 Gbps	NCPN-000x-MG5GBPS
	Renewal — Mobility Gateway	500 Mbps — 1 year	NCPN-0001-MG500MBPS-R

x = 4 or 6 years

†PROMO SKUs (promotional SKUs) are available for a limited time and add an extra year to the standard 3- or 5-year NetCloud Service Plan. Starting 07/01/2024, new subscriptions revert to the standard 3- or 5-year NetCloud Service Plan. All renewals have a 1-year duration.

## Support & Warranty

All Ericsson Private 5G Compact hardware and software are sold as part of an Ericsson NetCloud Service package, which includes:

- Ericsson Enterprise Wireless Solutions Global Service & Support for the full subscription term.
- Hardware limited lifetime warranty for as long as they have a subscription license to an active NetCloud Service Plan.

# More Information

Learn more at [cradlepoint.com/netcloud-private-networks](https://www.cradlepoint.com/netcloud-private-networks)