

# Oracle Enterprise Communications Platform Cloud Connector



Oracle Enterprise Communications Platform Cloud Connector, a core component of the Oracle Enterprise Communications Platform, is an edge hardware device that extends Oracle Cloud securely to the edge in customer environments.

## Supporting connected industries

The Oracle Cloud Connector supports use cases that require on-premises application hosting and seamless, secure integration between local environments and Oracle Cloud. It brings enterprise applications closer to their data sources by securely acquiring, aggregating, and normalizing data, hosting business applications, and converting protocols. Oracle Cloud Connector helps organizations reduce infrastructure costs, speed up deployments, and improve IT agility by managing Wi-Fi and LAN environments remotely through a single console or API. This approach can provide full visibility, automated configuration, and proactive monitoring without the need for onsite controllers or additional hardware.

## Operational efficiency

Oracle Cloud Connector enhances operational efficiency through one-touch edge activation and native integration with the [Oracle Enterprise Communications Platform \(ECP\)](#). Designed to simplify site rollouts, device registration, activation, and configuration, the Oracle Cloud Connector helps organizations to rapidly deploy connectivity endpoints at scale with minimal manual effort. The edge device supports a seamless user experience while improving consistency, security, and deployment speed across distributed locations.

With centralized edge configuration management, including default configuration templates and updates, Oracle Cloud Connector allows administrators to maintain consistent, secure, and standardized configurations across distributed sites, including environments where cloud connectivity may be limited.

Oracle Cloud Connector also supports streamlined deployment and lifecycle management, helping improve coordination from ordering and activation through ongoing operations across distributed sites.

Dual-SIM functionality enables automatic failover between multiple cellular networks, such as [Vodafone](#) and [AT&T](#), ensuring uninterrupted connectivity and service continuity. Satellite connectivity through [Starlink](#) further extends Oracle Cloud Connector's reach beyond terrestrial network coverage. Organizations can use portable, lower-power options such as Starlink Mini for mobile, temporary, or field deployments, or Starlink Performance Gen 3 for fixed locations that require higher throughput and sustained connectivity. This flexibility helps organizations match connectivity options to

## ORACLE CLOUD CONNECTOR CORE CAPABILITIES

- Cloud-managed Wi-Fi and LAN including device discovery, usage ranking, alerting, and remote configuration
- Supports consistent edge configuration through remote updates, default templates, and lifecycle management
- One-touch edge activation and provisioning enable rapid deployment of connectivity endpoints at scale with minimal manual configuration.
- Provides continuous application uptime with resilient connectivity, even during network outages
- Centralizes visibility, policy, and troubleshooting for connected edge, IoT, LAN, and mobile devices via Oracle ECP
- Automated failover/backhaul to maintain application uptime in remote or impaired networks

the needs of each site, from rapidly deployed remote operations to stationary environments that demand higher throughput and performance.

Through centralized, cloud-based management via the Oracle ECP portal or APIs, administrators can oversee Oracle Cloud Connectors, connected devices, local applications, and site connectivity from a single control plane. ECP and the Cloud Connector are designed to support over-the-air lifecycle management for edge applications, allowing administrators to deploy, configure, update, monitor, and manage local applications remotely across distributed sites and vehicle fleets.

### Edge connectivity, resilience and processing

As a core component of ECP, the Oracle Cloud Connector enables direct, resilient connectivity across a spectrum of WAN network types - including wired, cellular, and satellite - with robust failover mechanisms such as dual-SIM support and automatic network switching. This empowers enterprises to maintain continuous access to cloud services and critical applications, even in environments where network outages or limited connectivity are common. In addition to WAN connectivity, the Cloud Connector can create its own Wi-Fi access point and supports LAN connectivity, allowing devices to connect locally for seamless communication at the edge. By processing and analyzing data locally at the edge while synchronizing with OCI, the Oracle Cloud Connector reduces latency, preserves service continuity, and supports real-time decision-making.

### Security and compliance

Security is embedded at every layer, with TPM-based secure boot, full-stack encryption, token-based authentication, and comprehensive auditing. These features maintain compliance across all edge connections, devices, and applications and protect against emerging threats. The Cloud Connector's ability to run business-critical applications on-site also means services can remain operational in disconnected or failover scenarios, which is ideal for industries that demand high availability and resilience.

### ORACLE ENTERPRISE COMMUNICATIONS PLATFORM (ECP)

seamlessly connects devices, manages networks, and enables real-time communications across the Oracle suite of industry cloud services. Built for performance and scalability on Oracle Cloud Infrastructure (OCI), ECP empowers organizations to orchestrate, connect, and manage communications for next-generation, cloud-based services. The platform unifies IoT, edge, and mobile devices over public communication networks, enriching Oracle's cloud offerings with robust connectivity.

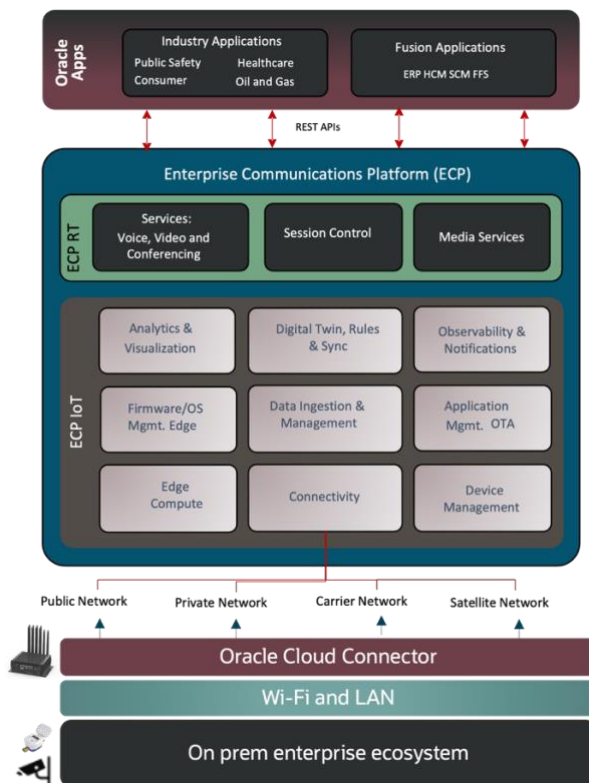


Image 1: Oracle Cloud Connector is the edge hardware within the Oracle ECP architecture, strategically extending secure and resilient connectivity, as well as cloud services, directly to locations where data is created and business operations occur.

## Transforming critical communications

At its core, Oracle Cloud Connector is a robust, Intel-based appliance housed in a fanless, compact aluminum enclosure suited for industrial environments. It supports multiple network interfaces and enables resilient, always-on connectivity for diverse deployment scenarios. Its onboard compute and storage resources maintain reliable performance for real-time monitoring, application hosting, and device management. Oracle Cloud Connector's comprehensive architecture enables secure, high-performance bridging between enterprise data sources and Oracle Cloud, even in remote or disconnected environments.

### Primary use cases include:

- **Public safety:** With Oracle Cloud Connector in the field, mounted in police cars, communications can be maintained to dispatch.
- **Healthcare:** Connects rural or temporary clinics to cloud-based health records and applications, supporting telemedicine and mobile teams.
- **Hospitality:** Enables fast, secure connectivity for pop-up retail, food service, and temporary hospitality locations with local application access and automatic failover across wired, cellular, and satellite connections, including portable options such as Starlink Mini.
- **Utilities/Construction and Engineering:** Enables asset management, online/offline service continuity, and edge integration for remote or mobile operations.
- **Defense and Intelligence:** Extend Fusion applications (SCM, HCM) to the edge with managed connectivity, enabling defense organizations to maintain continuous supply chain operations, personnel, logistics, and procurement with local back up and synchronization when connectivity is restored.
- **Oil and Gas:** Oil and gas teams can operate safely and efficiently in remote, offshore environments by extending Fusion Field Service, managed devices, and resilient connectivity to subsea and field operations.



Image 2: Oracle Cloud Connector 5G + Wi-Fi Antennas

## Summary

Organizations leveraging Oracle Cloud Connector benefit from simplified and consolidated IT operations, reduced latency, enhanced security, and a consistent experience across cloud and edge. As part of the broader Oracle ECP solution, the Oracle Cloud Connector forms the foundation of a unified communications

infrastructure designed to meet the needs of today's digitally transformed, distributed enterprises.

### Hardware capabilities

<b>Application and Cloud</b> <b>One touch edge compute node with application hosting and always-on connectivity to cloud</b>	Application lifecycle management One touch activation Container management Linux 9
<b>Compute and Storage</b> <b>Intel-based compute and storage for local workload and remote operations</b>	Intel Atom x6425E 4 core 2.0GHz/3.0GHz 1.5 MB L2 Cache 32GB DDR4-3200 512GB M.2 SATA SSD
<b>Wi-Fi Access</b> <b>Cloud-managed Wi-Fi access, advanced monitoring, security and insights</b>	AsiaRF MTK7915NPD Wi-Fi 6 Dual Band 2x2 MIMO
<b>Network Access</b> <b>Fixed, cellular and satellite connectivity</b>	4x1GbE WAN/LAN/Starlink Telit FN990A40 – Dual SIM LTE/5G
<b>IoT Edge Gateway</b> <b>Local serial and network device integration</b>	2x USB2.0
<b>Dimensions and Environment</b> <b>Fanless, office like environment with aluminum enclosure and desktop mount</b>	150mm x 210mm x 65mm (LWH) Storage: -20-75C Operating: 0-50C Humidity: 10-90% (non-condensing)
<b>Power Adapter</b>	19V@4.74A
<b>Regulatory</b>	Product Safety UL/CSA 60950-1, EN 60950-1 IEC, 60950-1 CB, UL/CSA 62368-1, EN/IEC 62368-1 Schemes with all country differences EMC>> Emissions: EN55032, EN61000-3-2, EN61000-3-3, EN61000-3-12, EN61000-3-12>>EN55035 Emissions and Immunity EN300 386
<b>Certifications</b>	North America (NRTL/FCC) Canada (NRTL/ICES) EMEA (CE) Kenya (RURA) Morocco (ANRT) Bahama (URCA) Australia (RCM)
<b>European Union Directives</b>	2014/35/EU Low Voltage Directive 2014/30/EU EMC Directive 2011/65/EU RoHS Directive 2012/19/EU/ WEEE Directive

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