

Data Sheet

Ericsson Cradlepoint E300

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The Ericsson NetCloud Service for enterprise branch with an E300 router is ideally suited for providing 4G and 5G cellular connectivity, agile VPN security, and cellular optimized SD-WAN to pop-up temporary locations, branches, stores, and clinics. The all-in-one form factor includes full-featured routing, security, and Wi-Fi, making it easy to connect offices and sites to the internet and critical applications without the need for extra hardware or complicated configurations. And the embedded 5G or LTE modem means that connectivity is always available from day 1 without waiting for a wired connection.

Ideal for Wireless WAN

For organizations moving to a wireless WAN, the E300 offers the ability to pair 5G or LTE with a wired link and use a cellular link as a failover connection, hybrid WAN or a primary connection. For an all-wireless WAN, the E300 offers 5G or LTE performance, which can support the throughput needs of a small- or medium-sized office with the ability to add a second cellular connection to increase available bandwidth and reliability.

5G, SD-WAN, and Security Integration

5G has emerged as an essential WAN infrastructure to offer agile and reliable connections. The E300 router with 5G cellular intelligence makes it easy to deploy 5G-enabled networks while optimizing both cellular and wired traffic to enhance application performance. Security postures can be reinforced, and attack surfaces minimized with zero trust privileged access, protected IP addresses, detailed security policies and consolidated authentication usage.

Additionally, the E300 router can serve as the user equipment router for private cellular networks that provide reliable local area network connectivity where wireless LAN fails to meet the network needs due to large areas or excessive congestion.

Notable Features

- Connect to the internet or applications anywhere with all-wireless 5G or LTE connectivity.
- Terminate a primary wired broadband link with cellular as failover for highly resilient hybrid connectivity.
- Open temporary locations without compromising security or reliability with an all-in-one design and compact form factor.



[Product Page](#)



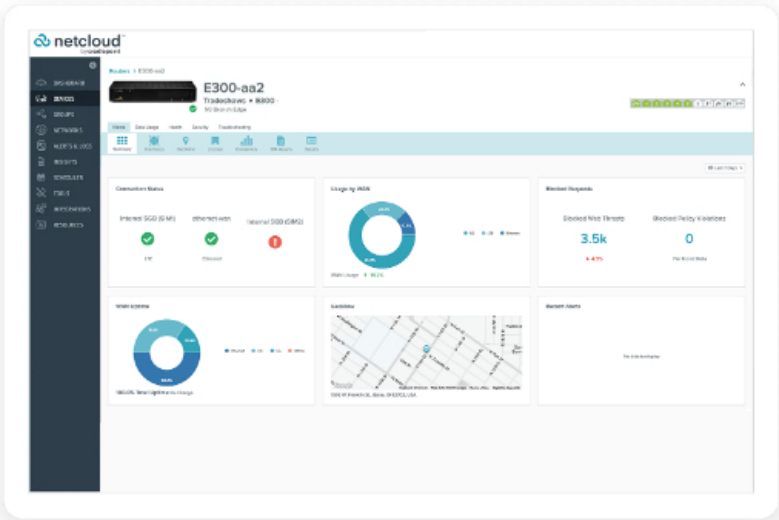
[NetCloud Service](#)

Key Software Capabilities

Ericsson NetCloud Service for the E300 provides everything needed to unlock the power of 5G and LTE at the network edge and connect users and IoT devices to critical applications and services. The Ericsson NetCloud Service package for the E300 includes router software for optimizing routing, VPN, SD-WAN, and security capabilities. The cloud capabilities include group policy definition, reports, troubleshooting, and analytics dashboards. The service includes a warranty for as long as there is an active subscription on the router, online training, live and online support, and all software and firmware updates.

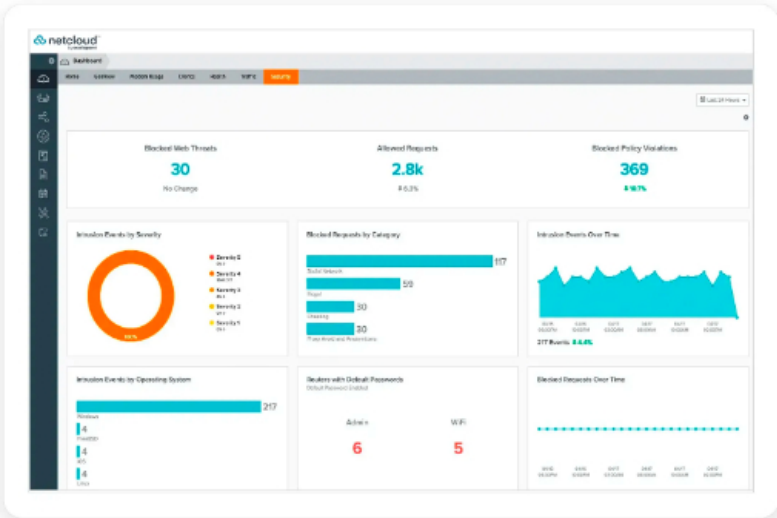
SD-WAN and Routing Services

SD-WAN and routing hardware provides local processing power to handle demanding router-delivered services, such as support for VPN tunneling encryption that includes Secure Connect, DMVPN, IPsec, GRE, and other tunneling technologies. SD-WAN optimizes cellular and wired traffic but adds data plan and carrier selection capabilities needed for wireless. NetCloud delivers true zero-touch deployment with the ability to define and deliver policy across entire groups of endpoints.



Security Services

Ericsson NetCloud Service includes security features and options to optimize the E300 to meet the evolving security needs of distributed environments. The Essential service includes stateful zone-based firewall enhancement capability to Application Aware Traffic Steering with the Advanced package. Secure remote management and other security add-on capabilities such as IPS, Content Filtering, and Zero Trust Network Access help reduce the network attack surface.



Cellular Intelligence

Ericsson NetCloud Cellular Intelligence collection of software features that allow administrators with distributed wireless WANs to visualize, optimize, and troubleshoot cellular connections, data plans, and traffic flow. These insights give IT teams the necessary tools to manage the unique demands of cellular with more predictable connectivity, deeper insights, and more accurate cost containment.

Remote Access and Troubleshooting

Connection Manager provides the ability to manage all WAN connection types, both wireless and wired, from a single software-defined policy. Our custom-built modem software ensures users establish wireless WAN connectivity faster while maintaining the highest level of resiliency.

Hardware Specifications

The following features are delivered through the hardware.

INTERFACES	
Modem:	One of the following: — Embedded 5GB low/mid-band modem, including 4 x SMA cellular antenna connectors — Embedded Cat 7 LTE modem, including 2 x SMA cellular antenna connectors Optional dual modem: — Modular MC400 Modem
Ethernet:	— 5 x GbE RJ45 (LAN/WAN switchable) — 1 x 10 GbE SFP+ (LAN/WAN switchable) — SFP: Finisar FTLF8519P3BNL, FTLF1318P3BTL — SFP+: Finisar FTLX8574D3BCL, FTLX1475D3BCL, FC BG110SD1Cxx

Wi-Fi:	Dual-radio, dual-band, concurrent operation (2.4 GHz and 5 GHz) — 2x2 MU-MIMO 802.11ax Wi-Fi 6 with DFS — 574 Mbps (2.4 GHz) and 1,200 Mbps (5 GHz) — Internal 2x2 antenna
ENVIRONMENTAL	

†Not available on E300-5GB routers.
Performance testing conducted based on requirements as defined in RFC2544 using fixed-frame 1518-byte packets. Throughput results reflect uni-directional UDP traffic with less than 1% packet loss as tested with wired connections. Results do not reflect performance of the cellular wireless operator networks.

Enterprise-Class Modem Specifications

SPECIFICATION	E 300-C18B
Technology:	Cat 18 LTE Advanced Pro (3GPP Rel. 12) — Dual SIM slots, 2FF form factor — SIM-based auto-carrier selection
3G:	WCDMA/UMTS/HSPA+
Carrier Aggregation:	Up to 5 x CA downlink, 2 x CA uplink See Understanding Carrier Aggregation .
Peak Downlink Rates:	— LTE: 1.2 Gbps — WCDMA: 42.2 Mbps

†Cellular carriers and operators throughout the world may only require telecom industry certifications, like PTCRB or GCF, to operate on their network. Some carriers require additional testing and approval, beyond telecom certifications. A carrier listed in the approvals section means Cradlepoint completed additional testing and acquired technical approval for that given carrier. Any carrier not listed may not require additional testing or approval beyond telecom industry certifications to operate on their network.

SPECIFICATION	E300-5GB
Technology:	5G FR1 NSA/SA and 4G LTE — LTE Advanced Pro Category 20 — Dual SIM slots, 2FF form factor
3G:	WCDMA/UMTS/HSPA+
Carrier Aggregation:	LTE Only — Downlink: Up to 7CA — Uplink: Up to 2CA LTE + 5G NR ENDC — Downlink: 1CA — Uplink: 1CA See Understanding Carrier Aggregation .

- Peak Rates:
- Downlink: Up to 4.14 Gbps

Uplink: Up to 660 Mbps

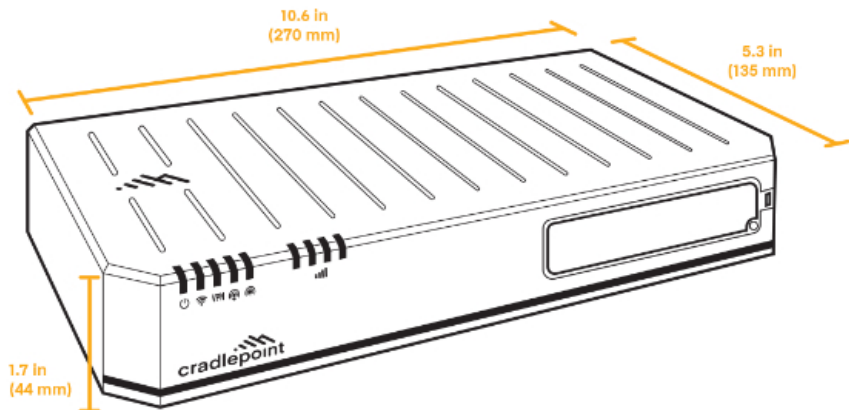
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SPECIFICATION	E300-C7C
Technology:	Cat 7 LTE (3GPP Rel. 11) Dual SIM slots, 2FF form factor SIM-based auto-carrier selection
3G:	WCDMA/UMTS/HSPA+

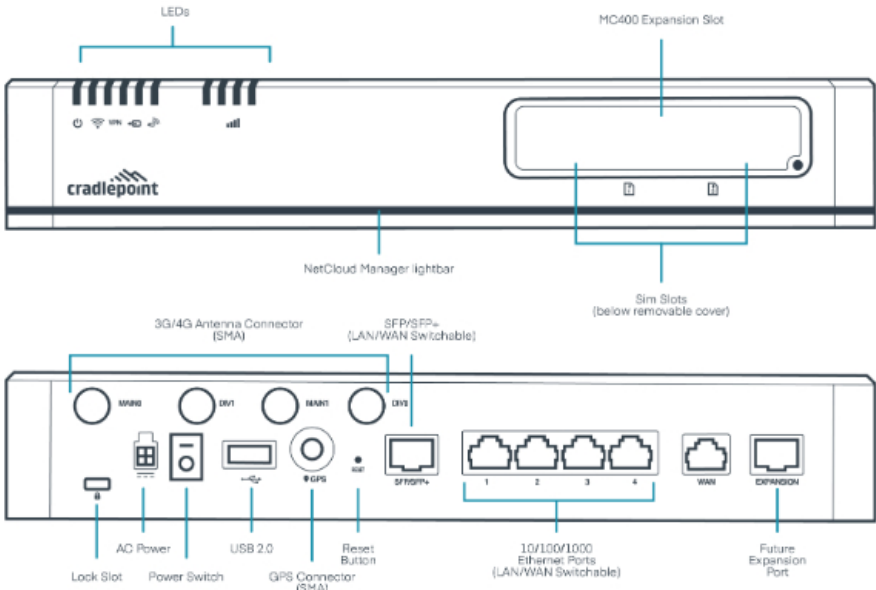
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SPECIFICATION	E300-C7D
Technology:	Cat 7 LTE (3GPP Rel. 11) Dual SIM slots, 2FF form factor SIM-based auto-carrier selection
3G:	WCDMA/UMTS/HSPA+

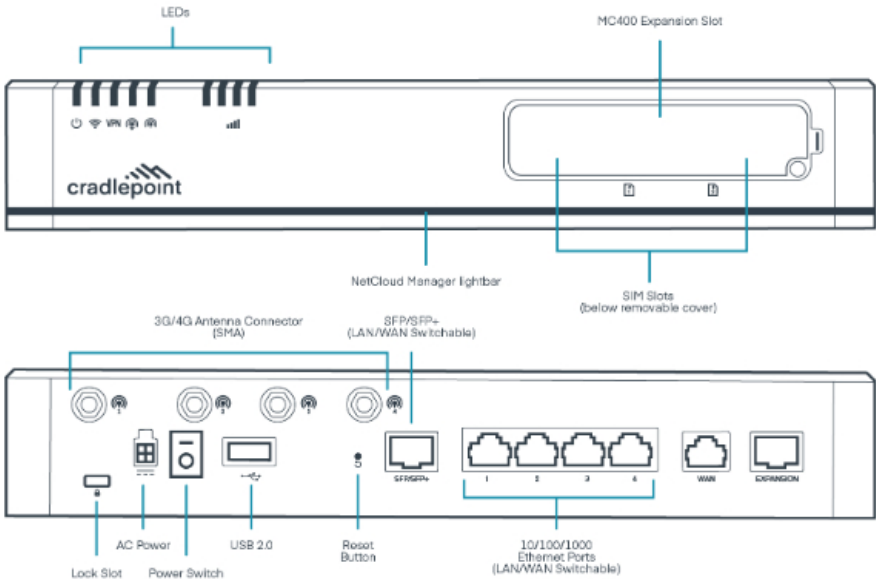
Physical Measurements & Features



Features — E300-C18 & C7C/D



Features — E300-5GB



SIM Card Info



Support & Warranty

The E300 Enterprise Branch Router is only sold as a component of NetCloud Branch Packages.

- NetCloud Packages include support for the full subscription term.
- All Cradlepoint hardware products are covered by a limited lifetime warranty for as long as they have a subscription license to an active NetCloud Service Plan.

More information

Find the most up-to-date information at cradlepoint.com/e300-series