

# HPE Edgeline EL300 Converged Edge System

## Edgeline Systems



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### What's new

- The HPE Edgeline EL300 now supports a 2x CAN Bus daughter card. It meets CAN Bus A/B/FD standards and is ideal for automotive environments.
- A new wireless connectivity option is added to the HPE Edgeline EL300. A Sierra Wireless LTE M.2 3042 module (EM7565) can be added to the EL300 with dual Nano SIM support for remote connectivity.
- HPE Edgeline Infrastructure Manager (EIM) tool is now available. It allows HPE EL300 on premise remote management at scale. The EIM Standard allows basic

### Overview

Are you looking for a converged operational technology (OT) and enterprise-class information technology (IT) in a single, ruggedizable system that implements data center-level compute and management technology at the edge? The HPE Edgeline EL300 Converged Edge System provides an effective way to connect and manage all your OT systems such as control systems, data acquisition systems and industrial networks. HPE Edgeline EL300 is a highly flexible, expandable and customizable platform that can grow as your needs evolve over time. Its modular design allows the device to incorporate expansion modules for a multitude of connectivity options. This HPE Edgeline EL300 supports remote management over both wireless and wired networks. The HPE Edgeline EL300 has a ruggedized, fanless design that will withstand harsh

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features while EIM Advance requires a license.

environmental conditions with a wide operational temperature range of -30°C to 70°C and is ideal for embedded customer use cases.

## Features

### **Improve uptime with Edge System Management using HPE Edgeline Integrated System Manager (iSM).**

HPE Edgeline EL300 with iSM allows for increased uptime and system administrator efficiency in a new edge focused management software tool. Customers will now be able to remotely monitor system health, event logs, and thermal characteristics as well as support firmware and flash updates.

HPE Edgeline iSM remote management of HPE EL300 can be accomplished over multiple types of networks, including wired Ethernet, Wi-Fi, and cellular, with constant and intermittent connectivity. Remote management over wireless (LTE, etc) allows the HPE Edgeline EL300 to be deployed nearly anywhere.

The HPE Edgeline EL300 with iSM is Redfish® compliant that supports SSH CLI and web GUI interfaces for greater ease of use.

### **OTLink Dramatically Simplifies Deployment and Management of Operational Technologies (OT)**

HPE Edgeline OTLink software-defined intelligence for fast, simple and secure OT+IT application deployment. Deploy converged OT+IT infrastructure with one touch provisioning quickly and efficiently.

HPE Edgeline OTLink provides a simple way to Orchestrate OT+IT applications on edge focused infrastructure in just a few clicks. Enable and manage OTLink based applications effortlessly as needed.

Protect Converged OT+IT systems with integrated security and enterprise-class reliability.

### **Environmental, Mechanical, and Wireless Certifications**

The HPE Edgeline EL300 is designed to reside in environmentally harsh, space-constrained, and/or dusty environments. It has undergone substantial and rigorous testing to withstand increased shock and vibrations to facilitate reliability and dependability which decreases downtime and TCO.

The HPE Edgeline EL300 can be deployed in wide array of environmental conditions including extreme temperatures. The HPE EL300 can tolerate a low operating temperature of -30°C (-22°F) to a high operating temperatures of up to 70°C (158°F).

It is also Fan-less IP50 design that minimizes dust and debris intrusion in dirty environments such as factories or trucks.

Global wireless LTE module supports common carrier frequencies worldwide and is certified in numerous countries. The HPE Edgeline EL300 has dual SIM slots to allow easy switching between telecom operators. A combination Wi-Fi+BT wireless option is also available.

### **Multi-System management for improved efficiency with HPE Edgeline Infrastructure Manager (EIM).**

HPE Edgeline Infrastructure Manager software (EIM) is delivered as a virtual appliance and supports automated device discovery for fast setup and deployment.

HPE EIM sends health monitoring and alerts to resolve problems fast

Support for one-click firmware & software updates at scale.

Ease of use with SSH CLI, Web GUI interface that is Redfish compliant

## Technical specifications

## HPE Edgeline EL300 Converged Edge System

<b>High-density compute nodes</b>	Intel® Core™ i5 - 7300U Dual core, 2.6GHz, 15W.
<b>Built-in I/O</b>	2x Ethernet 1GE, 1x Dedicated management port 1GE, 1x Serial RS232 port, 2x USB3.0, 2x USB2.0, 1x SD Card slot, 6x Antenna ports, 1x HDMI, 1x Display Port (DP), Audio Ports (Mic, Line in, Line out), Addition I/O available from Daughter Card options. I/O LOCATED AT BOTTOM ACCESS PANEL 1x Mini PCIe card, 1x M.2 1630/2230 WiFi module, 1x M.2 3042 LTE Module, 2x Nano SIM Slot for cellular.
<b>Storage</b>	1x M.2 2280/22110 PCIe NVMe SSD, 1x M.2 2242/2280 SATA SSD, 1x SFF SSD or M.2 2242/2280 SATA SSD 1x SD Card
<b>Mechanical and power</b>	DIN Rail and wall mount options, Two options for power A) 12VDC input, B) 9v-36VDC input, Typical power 50W
<b>Environmental, shock and vibration</b>	Operational Shock: 30G 11ms, half-sine, once each axis (Tested in accordance with IEC-600068-2-27). Operational Vibration: 3.0g rms 5Hz to 500Hz, 10 minutes (Tested in accordance with IEC 600068-2-64). Storage Vibration: 3.0g rms, 5Hz to 500Hz, 10 minutes. Enclosure is IP50 rated. Passively cooled. No external airflow through the system. Operational humidity: 8 to 90%, noncondensing (Tested in accordance with IEC-600068-2-56). Non-operating humidity: 5 to 95%, noncondensing (Tested in accordance with IEC-600068-2-56). MIL – 810G Tested. Storage temperature range: -40°C to +70°C. Meets MIL-PRF-28800F class 3 limits. Altitude de-rated, 1.0°C per 305 meters (1.8°F per 1000 foot) increase in altitude from sea level. Customer installed options must be rated for continuous operation at industrial temperatures. Not rated for operation over 3048 meters (10,000 feet).
<b>Expansion slots</b>	Selection of 1 Daughter cards available from: 1) Four ports 1GbE Ethernet with TSN support 2) Two ports CAN Bus A/B/FD 2.0 – optically isolated 3) Two ports RS232/422/RS485 optically isolated 4) One 8 bits configurable GPIO supports DIO/ADC/DAC
<b>Minimum dimensions (H x W x D)</b>	200 x 232 x 100 mm (HxWxD)
<b>Weight</b>	4.91 kg
<b>Warranty</b>	3-3-3 warranty standard on all HPE Edgeline EL300 3 years parts, 3 years labor, 3 years on-site support

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**For additional technical information,  
available models and options, please  
reference the QuickSpecs**

## HPE Pointnext

**HPE Pointnext** leverages our breadth and depth of technical expertise and innovation to help to accelerate digital transformation. A comprehensive portfolio that includes—Advisory, Professional, and Operational Services is designed to help you evolve and grow today and into the future.

### Operational Services

- **HPE Flexible Capacity** is a new consumption model to manage on-demand capacity, combining the agility and economics of public cloud with the security and performance of on-premises IT.
- **HPE Datacenter Care** offers a tailored operational support solution built on core deliverables. It includes hardware and software support, a team of experts to help personalize deliverables and share best practices, as well as optional building blocks to address specific IT and business needs.
- **HPE Proactive Care** is an integrated set of hardware and software support including an enhanced call experience with start to finish case management helping resolve incidents quickly and keeping IT reliable and stable.
- **HPE Foundation Care** helps when there is a hardware or software problem offering several response levels dependent on IT and business requirements.

**Advisory Services** includes design, strategy, road map, and other services to help enable the digital transformation journey, tuned to IT and business needs. Advisory Services helps customers on their journey to Hybrid IT, Big Data, and the Intelligent Edge.

**Professional Services** helps integrate the new solution with project management, installation and startup, relocation services, and more. We help mitigate risk to the business so there is no interruption when new technology is being integrated in the existing IT environment.

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