

# HPE EDGELINE EL300 I5-7300U 8GB-R 1GBE TSN 80W PS 256GB QUICK CONNECT SYSTEM BUNDLE (P20113-B21)

## Edgeline Systems



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## WHAT'S NEW

- Updated Intel® Core™ i7 processor bringing more power for increased workloads and edge video processing.
- Vehicle ignition switch integrated in the power supply. This enables automotive development engineers to implement

## OVERVIEW

Are you looking for a converged operational technology (OT) and enterprise-class information technology (IT) in a single, ruggedized system that implements data center-level compute and management technology at the edge?

The HPE Edgeline EL300 Converged Edge System provides

server compute without parasitic loads.

Power down timing is customizable in iSM.

- Supports a 2x CAN Bus Daughter Card and meets CAN Bus A/B/FD standards. It is ideal for automotive environments.
- Features updated wireless connectivity options. A Sierra Wireless LTE M.2 3042 module (EM7565) can be added with dual Nano SIM support for remote connectivity.
- HPE Edgeline Infrastructure Manager (EIM) tool is now available, allowing on premise remote management at scale. The HPE EIM Standard allows basic features, while HPE EIM Advance requires a license.
- HPE Edgeline IoT Quick Connect enables industrial and manufacturing companies to easily connect equipment to generate meaningful insights needed to modernize production lines and gain efficiencies.

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 and customizable platform that can grow as your needs evolve over time. Its modular design allows the device to incorporate IO cards 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 environmental conditions with a wide operational temperature range of 0°C (32°F) to 70°C (158°F) 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 Converged Edge System with HPE Edgeline iSM allows for increased uptime and system administrator efficiency in an edge-focused management software tool. 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 and supports SSH CLI and web GUI interfaces for greater ease of use.

### **OTLink Dramatically Simplifies Deployment and Management of Operational Technologies**

HPE Edgeline EL300 Converged Edge System features HPE Edgeline OTLink software-defined intelligence for fast, simple, and reliable 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.

The HPE Edgeline IoT Quick Connect Guide includes all of the instructions you need to quickly and easily connect industrial devices at the edge and bring the data into the cloud.

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

The HPE Edgeline EL300 Converged Edge System is designed to reside in environmentally harsh, space-constrained, and/or dusty environments. This ruggedized system is rated to MIL-STD-810G shock and vibration specifications to facilitate reliability and dependability.



The HPE Edgeline EL300 can be deployed in wide array of environmental conditions including extreme temperatures. The system can tolerate a low operating temperature of 0°C (32°F) to a high operating temperature of up to 70°C (158°F).

A Fan-less IP50 design 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 Manger (EIM)**

The HPE Edgeline EL300 Converged Edge System features the HPE EIM, delivered as a virtual appliance which supports automated device discovery for fast setup and deployment.

HPE EIM sends health monitoring and alerts to resolve problems quickly.

The system supports one-click firmware and software updates at scale.

Increase Ease of use with SSH, CLI, and web GUI interfaces that are Redfish compliant.



## Technical specifications

## HPE Edgeline EL300 i5-7300U 8GB-R 1GbE TSN 80W PS 256GB Quick Connect System Bundle

<b>Product Number</b>	P20113-B21
<b>High-density compute nodes</b>	Intel® Core™ i5 - 7300U Dual core, 2.6 GHz, 15W.
<b>Built-in I/O</b>	<p>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.</p>
<b>Storage</b>	<p>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</p>
<b>Mechanical and power</b>	<p>DIN Rail and wall mount options            Two options for power A) 12VDC input            B) 9v-36VDC input            Typical power 50W</p>
<b>Environmental, shock and vibration</b>	<p>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 feet) 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).</p>
<b>Expansion slots</b>	<p>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</p>
<b>Product Dimensions (metric)</b>	20 x 23.2 x 10 cm (HxWxD)
<b>Weight</b>	4.91 kg
<b>Warranty</b>	<p>3-3-3 warranty standard on all HPE Edgeline EL300            3 years parts, 3 years labor, 3 years on-site support</p>



For additional technical information, available models and options, please reference the [QuickSpecs](#)

## HPE POINTNEXT SERVICES

[HPE Pointnext Services](#) brings together technology and expertise to help you drive your business forward and prepare for whatever is next.

### Operational Services from HPE Pointnext Services

[HPE Pointnext Tech Care](#) provides fast access to product-specific experts, an AI-driven digital experience, and general technical guidance to help enable constant innovation. We have reimagined IT support from the ground up to deliver faster answers and greater value. By continuously searching for better ways to do things—as opposed to just fixing things that break—HPE Pointnext Tech Care helps you focus on achieving your business goals.

[HPE Pointnext Complete Care](#) is a modular, edge-to-cloud IT environment service that provides a holistic approach to optimizing your entire IT environment, and achieving agreed upon IT outcomes and business goals through a personalized and customer-centric experience. All delivered by an assigned team of HPE Pointnext Services experts.

**HPE Integration and Performance Services** help you customize your experience at any stage of your product lifecycle with a menu of services based on individual needs, workloads, and technologies.

- Advise, design, and transform
- Deploy
- Integrate and migrate
- Operate and improve
- Financial Services
- Greenlake Management Services
- Retire and sanitize
- IT Training and personal development

### Other related services

[HPE Education Services](#) delivers a comprehensive range of services to support your people as they expand their skills required for a digital transformation. Consult your HPE Sales Representative or Authorized Channel Partner of choice for any additional questions and support options.

**Defective Media Retention** is optional and allows you to retain Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

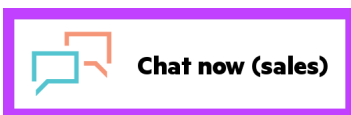
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Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

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