



# IoT Edge Computer ECT ECI

The Ectron IoT Edge Computer (ECT-ECI) is a ruggedized industrial grade computer that is HALT and HASS tested. It comes with rich feature sets and is ready for deployment on the factory floor, in outdoor junction boxes and in other harsh environments where standard computers cannot be deployed. The ECT-ECI computer is Microsoft Azure Certified.

## Features:

- ✔ Operating System: MS Windows 10 IoT LTSC or Linux
- ✔ Microsoft Azure compatible
- ✔ Edge AI/ML capability
- ✔ Connectivity: Dual USB, Dual Ethernet, HDMI
- ✔ Processor: Intel Core i3
- ✔ Storage: 450 GB SSD
- ✔ Memory: 16 GB ECC DDR4
- ✔ Operating Voltage +20 to +30V DC
- ✔ Uncooled
- ✔ Operating Temperature : - 40 °C to +85 °C
- ✔ 95% non-condensing humidity
- ✔ Connect and process up to 100 sensors
- ✔ Process data locally or send to Azure Cloud
- ✔ Gateway, Edge computer, HMI computer, IoT sensor aggregation
- ✔ Full stack with MTConnect and tags for PLC communication
- ✔ IP67 Enclosure
- ✔ HALT and HASS tested



The ECT-ECI can be used as a standard gateway box and comes preloaded with edge AI/ML capability. Suitable for use as an equipment/monitor in conjunction with the Hub where sensors are aggregated to the ECT-ECI.

The computer operates from a standard industrial power rail of 24V. All the interfaces are projected on the front and the entire enclosure is sealed to prevent moisture and water entry.

The full stack on the computer comes with a Database, MTConnect, tags to connect to Allen Bradley and Siemens PLCs or DCS systems. SCADA interfaces can be added as needed.

## Customization Available!

## Applications: Equipment, Process, Facility, Environment, Energy-Usage Monitoring

- ✔ Control Computer
- ✔ IoT Edge Computer
- ✔ HMI Computer
- ✔ IoT Gateway
- ✔ OT-IT Bridging



9340 Hazard Way, Suite B2  
San Diego, CA 92123

🌐 [www.ectron.com](http://www.ectron.com)  
✉ [sales@ectron.com](mailto:sales@ectron.com)  
☎ 858-278-0600