



# Why be a pilot when you can be an astronaut?

Don't just be a pilot, be an astronaut. The LaunchPad early access program is no ordinary pilot program. 20 qualified customers will gain privileged access to launch their buildings' digital transformations at no cost.



Launch your building's digital transformation.

The Buildings IOT LaunchPad is smart building enabling software deployed on an edge device to connect building systems to the IOT Jetstream and onPoint cloud. LaunchPad is a crucial component of launching your digital transformation.



Assess Digital Readiness



Connect Securely



Integrate BACnet data



Leverage Smart Building Apps

## What's included?

The early access program provides you with the opportunity to launch smart building technology in your environment and receive digital-ready data and real-time analytics on building system operations. In addition to the LaunchPad, we arm you with the following products to help launch your digital readiness transformation.



### Digital readiness and onboarding

Participants in the Buildings IOT LaunchPad Early Access Program will gain digital readiness and onboarding services including data modeling and data loading to ensure successful LaunchPad deployment.

### onPoint Analyze

LaunchPad Early Access Program participants will gain access to their own onPoint Analyze instance. onPoint Analyze includes access to onPoint Insights and Work Requests to help turn the data provided by LaunchPad into actions. onPoint Analyze features include:

- Overview Dashboard
- Insights
- Reports
- Charts
- Work Requests
- Support
- Equipment

### IOT Jetstream Starter for HVAC Equipment

LaunchPad early access participants utilize the IOT Jetstream Starter API to empower standardized, reliable read access to connected building data.

## Early Access Program Details

Admission into the early access offering is subject to final approval by Buildings IOT and is contingent upon an early access applicant's ability to meet the requirements. Not all form submissions or document access will result in admission into the program nor constitute an implied or explicit agreement of membership into the program. Interested parties that are not admitted into the program will be eligible to purchase the LaunchPad gateway at a regular price upon official product launch.

### Site qualifications/Evaluation

Buildings IOT is seeking 20 qualified commercial or institutional sites to participate in the LaunchPad Early Access Program. Preference will be granted to sites with up to 200 BACnet or Niagara N4 connected equipment/data. Preferred building types include; banks, education, healthcare (outpatient), mixed-use, office building, light industrial, and retail.

### Customer/Partner commitments

Participants in the LaunchPad Early Access Program are asked to ensure installation of the LaunchPad hardware or software within two (2) weeks of receipt. Customers or partners also agree to participate with only a site that can be successfully onboarded within 60 days. Accurate completion of the early access form will help to provide the necessary information that Buildings IOT needs to determine a building's ability to be onboarded into the program within this time frame. Customers and partners admitted into the early access program agree to provide information for onboarding including a static IP address, equipment list, point of contact, and building information. They also agree to participate in providing feedback on a monthly basis from the point of delivery until April 1, 2023.

### Terms

The early access program grants access to Buildings IOT's LaunchPad gateway, onPoint Analyze, IOT Jetstream, and onboarding through March 31, 2023 at no cost. After the completion of the trial period customers can opt to continue the subscription. Customers who are a part of the early access program who chose to continue their subscription will be provided a statement of work with all associated fees post pilot period. Fees are based on size of building and/or equipment as well as term of contract (1,3, or 5 years). Fees may also be adjusted for additional sites you elect to onboard.

A subscription service agreement will be provided to participants for execution upon admission into the program that covers the full scope of the terms and conditions of this program.



Easy-to-use, edge controller and building integration supervisor.

The Buildings IOT LaunchPad is an easy-to-use, edge controller and building integration supervisor that connects field devices to the IOT Jetstream and onPoint cloud for bi-directional communication over a secure mutual TLS connection. This fanless industrial edge device can connect up to 200 field devices in a variety of communication protocols supplying the ideal solution for an on-premises historian, insights engine, and control capabilities.

The LaunchPad can be configured to run onPoint's fault detection and diagnostics (FDD), PDF reporting, real-time optimization, and demand management software. Lastly, LaunchPad can supply secure connectivity for troubleshooting and reprogramming of IP field devices.

## Edge to Cloud Communications

Secure communications with the cloud.

LaunchPad utilizes advanced technology for secure communication with the cloud. It sets up a peer-to-peer communication link using a TLS handshake that is mutually authenticated by a shared certificate. The communications are encrypted and fully bi-directional over a WebSocket connection.



### Product Details

#### Versions

LaunchPad  
LaunchPad w/ Technican VPN

#### Capacity

Up to 250 devices

#### Communications

- Arcbeam (Mutual TLS) for connection to the cloud
- BACnet/IP
- Modbus TCP/IP
- Haystack, oBIX, OPC, SNMP, SQL, Sedona

#### Key Capabilities\*

- History collection
- Alarming
- Scheduling
- Command & control
- PDF reporting
- FDD
- Fully programmable
- Easy IP configuration
- Secure connectivity/VPN

\*Some capabilities may require additional resources to implement.

# Device Management

## Security and compliance.

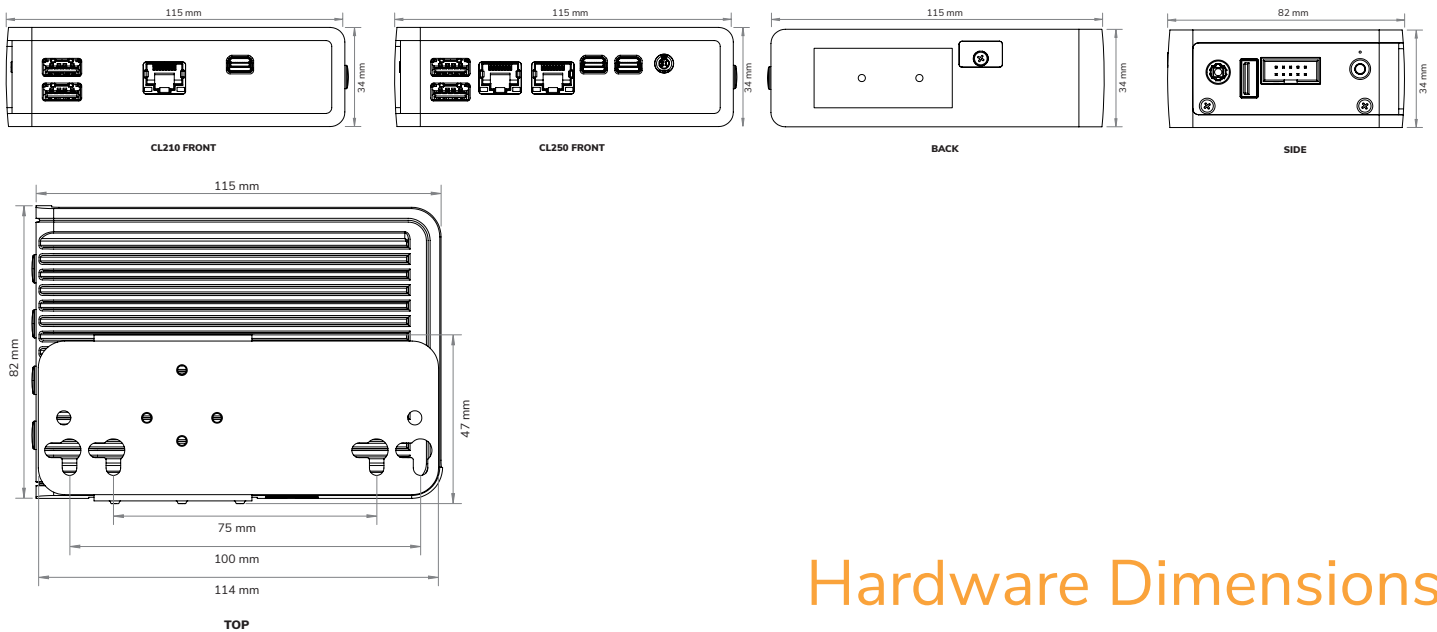
LaunchPad leverages AWS (Amazon Web Services) Systems Manager for fleet management. The Systems Manager supports security and compliance by scanning managed nodes and reporting on (or taking corrective action on) any policy violations it detects.

# Technician VPN(Optional)

## Encrypted VPN\* connection for remote configuration and reprogramming.

Encrypted VPN connection for remote configuration and reprogramming. LaunchPad's optional technician VPN provides service technicians and facility operators with an encrypted VPN connection to IP devices for remote configuration and reprogramming.

\*LaunchPad w/ Technician VPN leverages the TOSIBOX® Lock for Container (Lfc) which is compatible with all TOSIBOX® devices and products.



## Hardware Dimensions

## Hardware Specifications

SKU	CL250	CL210
Hardware Line	Industrial (Fanless)	Industrial (Fanless)
Cooling Type	Fanless	Fanless
Processor	Intel J3455	Intel Pentium N4200
Processor Speed	1.5 GHz	1.1 GHz
Max Burst Frequency (GHz)	2.5	2.5
Processor Socket	Onboard (BGA)	Onboard (BGA)
Processor Generation	Apollo Lake	Apollo Lake
Processor Cores	4	4
Chipset	Shared with CPU	Shared with CPU
Graphics/GPU	Intel HD Graphics 500	Intel HD Graphics 505
Memory Type	LPDDR4	LPDDR4
Memory Capacity	5 GB	4 GB
Memory Speed	2133 MHz	2133 MHz
Number of Displays Supported	2	2
Rear I/O	1x MicroSD Card slot 1x Power Button 1x Power Indicator LED 1x COM port(RS-232) 1x USB 2.0 port 1x DC input jack (12 V, AC/DC Power Adapter included)	1x MicroSD Card Slot 1x Power Button 1x Power Indicator LED 1x COM port (RS-232) 1x USB 2.0 port 1x DC input jack (12 V, AC/DC Power Adapter Included)
Front I/O	2x USB 3.2 Gen 1 Ports 2x Mini DisplayPorts 2x 1GbE LAN ports	2x USB 3.2 Gen 2 Ports 2x Mini Display Ports 2x 1GbE LAN Ports
Expansion Options	1x mPCIe (full-size) 1x Half-size mPCIe	1x mPCIe (full-size) 1x Half-size mPCIe
Included Storage	Included 64 GB of Onboard eMMC Storage	Included 64 GB of onBoard eMMC Storage
Storage Options	MicroSD Card mSATA (shared with mPCIe slot)	MicroSD Card mSATA (shared with mPCIe slot)
LAN Controller	Realtek RTL8111H	Realtek RTL8111G

## Hardware Specifications

Included Power Supply	Power Adapter AC/DC 12 V, 36 W - with Interchangeable Plug	Power Adapter AC/DC 12 V, 36 W - with Interchangeable Plug
System Monitoring	N/A	PTT in BIOS Watchdog Timer
Input Voltage	12 VDC	12 VDC
Power Input	DC Jack	DC Jack
Operating Temperature Range	0 ~ 40°C	0 ~ 40°C
Dimensions (WxHxD)	115 mm x 82 mm x 34 mm 4.53" x 3.23" x 1.34"	115 mm x 82 mm x 34 mm 4.57" x 3.23" x 1.34"
Case Type	Compact Customizable Fanless	Compact Customizable Fanless
Case Material	Cast Aluminum	Cast Aluminum
Port Punchouts	4 Antenna Holes	4 Antenna Holes
Mounting Options	DIN-mount VESA-mount Wall-mount	DIN-mount VESA-mount Wall-mount
Regulatory Information	FCC 47 CFR Part 15 CE UL Listed CB scheme Additional Safety and EMC certifications pending WEEE Directive (2002/96/EC) RoHS 2 (2011/65/EU) RoHS 3 (2015/863/EU) EN 55022 EN 55024 EN 62368-1 IEC 62368-1 IP50	FCC 47 CFR Part 15 CE UL Listed CB Scheme Additional Safety and EMC certifications pending WEEE Directive (2002/96/EC) RoHS 2 (2011/65/EU) RoHS 3 (2015/863/EU) EN 55022 EN 55024 EN 62368-1 IEC 62368-1 IP50
Warranty	2 year limited warranty on parts and services	2 year limited warranty on parts and services

# Unlock the potential of your building systems.

Access, interpret, and integrate all of your building systems, sensors, and equipment data using the intelligent building management platform of onPoint.

Unlock the potential of your building systems data.

## onPoint Analyze

onPoint Analyze empowers your smart building management initiatives with the tools and capabilities necessary to confidently monitor and analyze equipment and system performance. Leverage analytics and insights to gain a holistic view of your building equipment and elevate your FDD efforts.



### **Control energy costs**

by leveraging machine learning and automation.



### **Provide real-time access**

to key information to manage daily operations.



### **Offer insights**

into the performance of equipment and assets over time.



### **Make buildings healthier**

by monitoring and reporting on indoor environmental quality metrics.





## onPoint Analyze features:

- **Overview Dashboard**  
This summary page supplies quick views of recent support issues, current weather details, and a running list of active Insights.
- **Insights**  
Insights is an advanced fault detection and diagnostics (FDD) feature that uses big data to deliver refined, data-driven problem analysis and resolution.
- **Reports**  
onPoint Reports include monthly issuance of PDF-generated documents highlighting the performance of tracked KPIs (Key performance indicators) around comfort, building health, general operations, and energy analytics.
- **Equipment**  
onPoint includes an Equipment section organized by equipment type with tables for current value data. As Insights occur through the integrated system, Equipment pages link directly to Insights that are generated at the equipment level.
- **Charts**  
onPoint Analyze users gain access to Charts for point-level analysis across integrated equipment. Charts offer expandable lists of all integrated equipment and their corresponding points.
- **Work Requests**  
Work Requests turn Insights into action. Work Requests enable onPoint users to manage their data-driven maintenance from an interface directly connected to their analytics.
- **Support**  
Available to Buildings IOT partners on their onPoint company page, the Support tab supplies a direct and trackable line to your Partner or Customer Success Manager for platform-level support.