

Toggled iQ® Gateway

Provides the ability for Toggled iQ to expand beyond local Bluetooth® Low Energy (BLE) mesh controls.

Enables BACnet/IP integration as a BACnet client, collecting BMS data and publishing to the cloud for advanced analytics, or as a BMS server, allowing the Toggled® devices to be controlled by an existing BMS schedule.

Enables connectivity to 3rd party devices and sensors to provide a cost effective lightweight smart building system. The Toggled iQ gateway is an economical edge device equipped with an efficient Intel Celeron N3350 processor and 4GB of dual channel LPDDR4 memory which confidently provides stable operation with Intel Platform Trust Technology (PTT).

Featuring an industrial-grade hardshell fan-less technology that protects the system from dust, debris, chemical, and moisture ingress. Its unique cast aluminum chassis efficiently dissipates heat while allowing for space-saving mounting options such as VESA, wall, and DIN rail mounting.

Features

- This optional device allows the ability to choose between an open or closed system
- Includes Toggled iQ software
- Allows for seamless pairing with new and existing devices
- Includes an API documentation tool to design and customize interfaces for end-users
- Allows platform to remotely control devices and create smart scenarios
- Dedicated cloud infrastructure
- Provides the ability to remotely connect the platform to devices
- Converts device data into JSON (JavaScript Object Notation) format, time-stamps and sends it to up to user-defined message queuing brokers
- Allows remote management using a user-friendly web interface
- Connects to existing BACnet/IP and Modbus TCP equipment
- Includes secure (TLS) connection to Toggled iQ backend for simple visualization, cloud storage and processing
- Small, fan-less compact design



Ordering Information

Model No.	Description
TGW-001	Toggled iQ Gateway



The Toggled iQ system is listed on the DesignLights Consortium-register mark- (DLC) Qualified Products List (QPLs) and qualifies for most applicable utility rebates requiring Title 24 and ASHRAE compliance.

Toggled iQ

Gateway

Specifications

LAN Controller	Realtek RTL8111G
Included Power Supply	Power Adaptor AC/DC 12V, 36 W – with Interchangeable Plug
System Monitoring	PTT in BIOS Watchdog Timer
Input Voltage	12 VOC
Power Input	DC jack
Operating Temperature Range	0-40°C
Dimensions (WxHxD)	116mm x 82mm x 34mm 4.57" x 3.23" x 1.34"
Case Type	Compact Customizable Fanless
Case Material	Cast Aluminum Steel
Port Punchouts	4 Antennae Holes
Mounting Options	DIN-mount VESA-mount Wall-mount
Compatible Cloud Services	AWSIoT Greengrass Compatible FCC 47 CFR Part 15 CE UL Listed CB Scheme
Regulatory Information	WEEE Directive (2002/96/EC) RoHS 2 (2011/65/EU) EN55024 Enb62368-1 IEC 62368-1 IP 50
Warranty	6 year limited warranty on parts and services
Cooling Type	Fanless
Processor	Intel Celeron N3350
Process Speed	1.1 GHz

Max Burst Frequency (GHz)	2.4
Processor Socket	Onboard (BGA)
Processor Generation	Apollo Lake
Processor Cores	2
Chipset	Shared with CPU
Graphic/GPU	Intel HD Graphics 500
Memory Type	LPDDR4
Memory Capacity	4 GB
Memory Speed	2133 MHz
Number of Displays Supported	2
Rear I/O	1 MicroSD Card Slot 1 Power Button 1 Power Indicator LED 1 USB 2.0 Port 1 DC input jack (12 V, AC/DC Power Adaptor included) 1 COM port (RS-232)
Front I/O	2 USB 3.0 ports 2 mini-display ports 2 Gb LAN ports 1 Audio jack (Line out; Mic in)
Expansion Options	1 Full size mPCIe slot (shared with mSATA) 1 Half-height mPCIe slot
Storage Options	MicroSD Card 1 mSATA slot (shared with full size mPCIe slot)

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