

Turntide Hub 7

Turntide Cloud Building Management



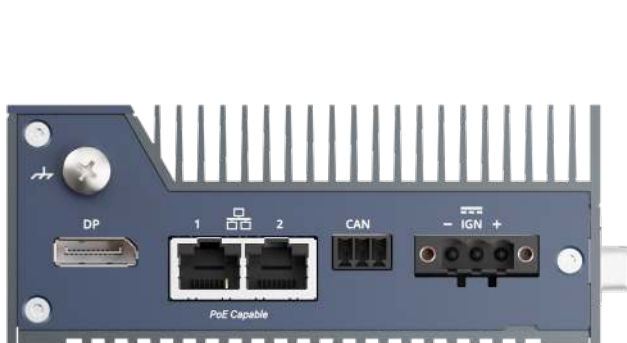
The Turntide Building App enables a truly cloud-based, remote building management solution to manage your portfolio of building assets. Turntide streamlines your HVAC controls into one simple and modern cloud application accessible anywhere, anytime. It also unlocks open and select proprietary protocols to give access to data that improves the control, management, and serviceability of your system.

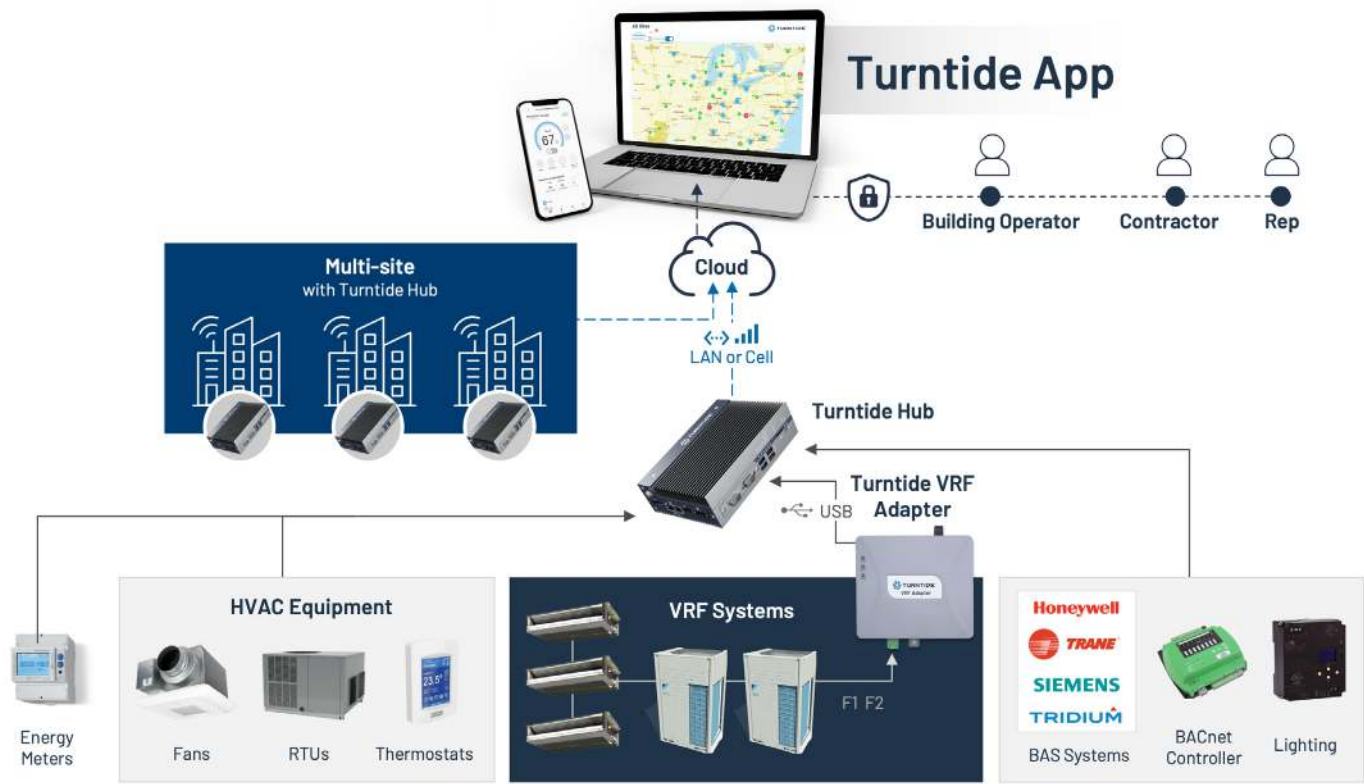
Key to empowering the Turntide Building App is the Turntide Hub 7, Turntide's latest edge device. The Hub 7 integrates building systems, controls and sensors such as HVAC, lighting, and metering to the cloud. The Hub 7 can integrate a larger number of devices to the Building App platform, and provide more robust cloud management performance.

With the Turntide Hub 7, facilities managers can smoothly run their buildings with greater operational efficiency – enabling data access and system control anywhere, anytime

Turntide Hub 7: Key Benefits

<p>Easy, Complete Device Integration</p>	<p>Safe And Secure Data</p>	<p>Continuous System Operation</p>
<p>Turntide Hub 7 communicates with a wide range of systems, equipment, and sensors, helping to optimize energy use in your building.</p>	<p>With automatic software and security updates, and AppArmour for protection against day-zero attacks, Turntide Hub 7 is your secure demarcation line between the outside world and your building systems.</p>	<p>Distributed IoT computing architecture brings the benefits of the cloud to building management while balancing local control via edge-initiated commands.</p>





Features & Specifications

PROTOCOLS SUPPORTED

- Trane Comm4
- Modbus TCP
- BACnet MSTP
- Modbus RTU
- BACnet IP
- OpenADR
- NOAA Weather
- Generic REST

POINT CAPACITY

Manages around 9000 system points*

*Capacity adjusts with BACnet Server

BACNET SERVICES

- BACnet Client
- BACnet Router
- BACnet Server
- BBMD

ORDERING INFORMATION

The Turntide Hub 7 comes with every installation of the Turntide Cloud Building Management solution for Daikin VRV systems.

SKU	Description
HUB-007	IoT Gateway with Turntide edge software for edge to cloud connectivity
PWR-HB7	Power Adapter for Hub 7; 120 VAC input; 12 VDC output

Hardware Specifications

Dimension	180 x 123 x 50 mm 7.09 x 4.84 x 1.97 in
Form Factor	Compact, Ruggedized, Fanless, Wall Mounting
Processor	Intel Atom x6425E Quad-Core 2.0~3.0 GHz
Operating System	Ubuntu Core 20 Linux OS
Memory	8G DDR4
Drive/Storage	128G SSD
I/O	2x LAN 1GbE LAN ports 2x USB 3.2 Gen 2 2x USB 2.0 2x RS-485 DB9 RS485 Baud Rates: 9600, 19200, 38400, 57600, 115200 bps
Video	1x Display Port
Voltage Input	9~48 VDC (3-pin Terminal Block with IGN pin)
Power Consumption	~35W at full load
Storage Temp	-40~85°C
Operating Temp	-40~70°C
Operating Humidity	10% - 95% (non-condensing)
Vibration	Tested according to IEC 60068-2-64 and MIL-STD-810H Method 514.6
Shock	Tested according to IEC 60068-2-27 and MIL-STD-810H Method 516.6
Regulatory	FCC, CE, CB, UKCA, RoHS, EN, IEC, UL
Security	TPM 2.0
Warranty	1 Year limited hardware warranty

Turntide Cloud Building Management

A Modern Approach to Building Management



Web: app.turntide.com



Turntide Web and Mobile Applications make remote management of all your systems, equipment, and devices easy and intuitive. Stay connected to your building's health and status so you can take corrective action no matter where you are.

Application Features

USER-CENTRIC DESIGN

CENTRALIZED NAVIGATION

Navigate directly on the app, filter to building and assets, or go directly to a critical alert.

EQUIPMENT DETAILS

Access equipment data without a site visit so you can verify hot/cold issues, validate repairs, or troubleshoot issues.

DATA MANAGEMENT

Access multifunction codes, system faults, and point data. Data is "tagged" for easy charting and analysis.

EASY EVERYDAY USE

SCHEDULES

Run equipment on schedules – set for individual equipment, groups, or across buildings. Make changes with one click.

NOTIFICATIONS

Get important equipment diagnostics or warnings delivered via email or text so you can quickly act.

CENTRALIZED NAVIGATION

Control and monitor sites remotely at the touch of a button, assuring your customers and employees are comfortable.

USER MANAGEMENT

Role-based permission and authentication allow different levels of access for different users.

SAFETY, QUALITY, AND COMPLIANCE MANAGEMENT

ANALYTICS AND KPIS

Develop customized dashboards to analyze the data that you care about most.

REPORTS

Generate dashboards and reports via the tool builder in the application to generate digital audits.

GRAPHICS

Create custom graphics so you can visually see equipment with dynamic data or over floor plans, making it easier to manage.

PROACTIVE BUILDING MANAGEMENT

TROUBLESHOOTING TOOLS

Ongoing diagnostics running across your equipment data sniffing out problems before they get bigger.

SERVICE REQUESTS

The smart service call: Address issues faster by requesting service directly from the app. Link to your provider.

TURNTIDE TECHNOLOGIES

Our breakthrough technologies accelerate electrification and sustainable operations for energy-intensive industries.