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**

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

<table>
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<tr>
<th>Features &amp; Specifications</th>
<th>Hardware Specifications</th>
</tr>
</thead>
</table>
| PROTOCOLS SUPPORTED       | 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 |

Features & Specifications

PROTOCOLS SUPPORTED
- Trane Comm4
- BACnet MSTP
- BACnet IP
- NOAA Weather
- Daikin DIII-N

POINT CAPACITY
Manages around 9000 system points*  
*Capacity adjusts with BACnet Server

BACnet SERVICES
- BACnet Client
- BACnet Server
- BACnet Router
- BBMD

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