

Smart Building Hub Catalog Page

Description

The Smart Building Hub provides a wireless, intuitive user interface optimized for mobile use. The Circle of Comfort provides at-a-glance status of a supported device on that device's home screen. In addition to the Circle of Comfort, critical alarms are displayed so they can be selected and acted upon.

The Smart Building Hub user interface scales to the device you are using. On a computer screen or tablet, the main menus and screens are side by side. On a phone display, you see either the menu or the screens you selected from that menu, for example, the TEC3000 Home Screen. When you view the UI on a phone or smaller tablet, you can drag the screen from the left or right to display the menu or screens as desired.

Refer to the *Verasys System Product Bulletin (LIT-12012342)* for important product application information.

Repair Parts

If the Smart Building Hub fails to operate within its specifications, replace the unit. For a replacement unit, contact the nearest representative.

Smart Building Hub



Selection Charts

Smart Building Hub

Code Number	Description
LC-SBH100-x	Smart Building Hub, field bus adapter, mounting bracket, and AC power supply

Accessories (order Separately)

Code Number	Description
MP-STAKIT-0	Stationary mounting cradle only; includes mounting bracket and field bus adapter
MP-STAKIT-0H	Stationary cradle kit; includes mounting bracket, field bus adapter, and AC power supply
MP-STAFBA-0	Field bus adapter; RJ-12 to 4-position terminal block adapter (used for connecting directly to MS/TP field bus)

Technical Specifications

Smart Building Hub (Part 1 of 2)	
Power Consumption	From SA/FC bus: 15 VDC at 2.7 VA maximum
Ambient Temperature Conditions	Operating: 0 to 50°C (32 to 122°F) Operating Survival: -30 to 60°C (-22 to 140°F) Non-Operating: -40 to 70°C (-40 to 158°F)
Ambient Humidity Conditions	Storage: -40 to 70°C (-40 to 158°F); 5 to 95% RH 30°C (86°F) maximum dew point conditions Operating: 0 to 50°C (32 to 122°F); 5 to 95% RH, 30°C (86°F) maximum dew point conditions
Transmission Power (Typical)	Wireless Local Area Network (WLAN) transmission power: +14.5 dBm, 54 Mbps +12.5 dBm, 65 Mbps
WLAN Receiver Sensitivity (Typical)	-76 dBm, 10% packet error rate (PER), 54 Mbps -73 dBm, 10% PER, 65 Mbps
Transmission Speeds	Wireless Communication: 2.4 GHz ISM bands, 802.11 b/g/n, 11/22/54 Mbps Serial Communication (SA/FC Bus): 9600, 19.2k, 38.4k, or 115.2k bps Ethernet Communication: 10,100 Mbps
Transmission Range (Typical)	Wireless Communication: 30 m (100 ft) line-of-sight indoors; 91 m (300 ft) line-of-sight outdoors WLAN Range Performance: 0 to 50 ft = Excellent; 50 to 100 ft = Good; 100 to 300 ft = Weakest, approaching out of range
Wireless Security	WPA2-PSK TKIP (Wi-Fi Protected Access Pre-Shared Key mode Temporal Key Integrity Protocol)
Network and Serial Interfaces	One SA/FC port (6-pin port; connects with 1.5 m [4.9 ft] RJ-12 field bus cable) One USB port (micro-B port; 2.0; supports Open Host Controller Interface [Open HCI] specification)
Dimensions (H x W x D)	Unit alone: 120 x 70 x 24.5 mm (4-23/32 x 2-3/4 x 31/32 in. (when used vertically)) Unit in shell: 128 x 75 x 29.5 mm (5-1/32 x 2-61/64 x 1-5/32 in. (when used vertically))

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Smart Building Hub (Part 2 of 2)	
Housing	White acrylonitrile butadiene styrene (ABS) bracket, black silicone shell
Weight	<p>Unit alone: 0.10 kg (0.22 lb)</p> <p>Unit in shell: 0.15 kg (0.33 lb)</p> <p>Note: Weights do not include any peripheral components such as cables, lanyard, or an external power supply.</p>
Web Browser Requirements for Computers and Handheld Devices	<p>Computer: Windows® Internet Explorer® 10 and Windows Internet Explorer 11, Apple® Safari® 6.1 and later, or Google® Chrome™</p> <p>Handheld Device: The handheld device must be running either Internet Explorer Mobile for Windows Mobile version 5 or version 6 operating system (OS); Apple® iPhone® and iPod touch® iOS version 7.0 or greater; or Android™ 4.0.3, 4.0.4, and 4.1+, or Google Chrome. Other web browsers may display the UI, but the functionality is not guaranteed.</p>
Compliance	<p>United States: UL Listed File E365459, ANSI/UL 60950-1, Information Technology Equipment; UL 2043 (Stationary version only), Suitable for Use in Other Environmental Air Space in Accordance with Section 300.22, (C) of the National Electric Code.</p> <p>Transmission Complies with FCC Part 15.247 Regulations for Low Power Unlicensed Transmitters Transmitter FCC Identification: OEJ-MAPWIFI FCC Compliant to CFR 47, Part 15, Subpart B, Class A</p> <p>Canada: Industry Canada IC: 279A-MAPWIFI CUL Listed File E365459, CAN/CSA-C22.2 No. 60950-1, Safety of Information Technology Equipment</p>