

VeeaHub® Pro Outdoor S – Model VHH10



- Tri-band Wi-Fi 5 access point
- 1.5GHz quad-core processor
- Operating temperature -40°C to 65°C
- Local storage up to 2TB via microSDXC
- Optional: LoRaWAN / WWAN Connectivity 5G Module or 4G/LTE Module
- 4GB PCDDR4 memory

Model: **VHH10**

Brand: **VEEA**

The VeeaHub Pro VHH10 Smart Computing Hub offers enterprise-grade processing and broad range of simultaneous connectivity options designed to meet the needs of a broad array of smart edge applications in outdoor and industrial environments. The VHH10 extends and integrates wireless connectivity, quad-core computing resources, and sufficient storage to support data-intensive edge and IoT applications. With no-code AI, each VeeaHub can be used either standalone or as part of a mesh network that can all be managed from a cloud-based dashboard in VeeaCloud.

Technical Specifications

Main Features

- Tri-band Wi-Fi 5 Access Point

- IoT Gateway with support for Bluetooth (Classic and BLE), Zigbee, Thread/6LoWPAN, GNSS, LoRaWAN (optional) supported by 5G BASE-T and 4G LTE or 5G (Sub-6 GHz) WAN
- 1.5GHz quad-core ARMv8 processor
- 4 GB PCDDR4 memory
- 32 GB eMMC flash internal storage
- External storage up to 2TB via microSDXC™
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Features

- Advanced Mesh Router
- Virtualized environment for secure Docker containers
- Support for Software Defined Networking (SDN)
- Multi-tenant cloud management
- Advanced security protocols: Stateful Firewall, WPA3, 802.11i

Advanced Specifications

Interfaces and Connectivity

- 2 Ethernet ports (PoE supported on port 1)
- RS232/422/485 connectivity
- Support for LoRaWAN, CAT-4 4G LTE
- 2.4GHz and 5GHz Wi-Fi
- Bluetooth Classic 4.2 and Bluetooth 5.x BLE

Requirements and Compatibility

- IPv4 and IPv6 support or dual stack
- Requires 48 VDC @ 1.5A power supply
- Operating temperature from -40°C to 65°C

Applications and Use Cases

Smart Cities and Buildings

Industrial Implementations and Transportation

Energy Management and Agriculture