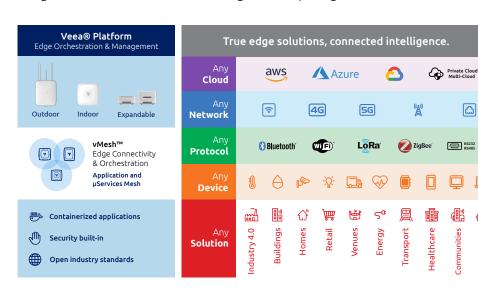


Compact Indoor Smart Computing Hub with Integrated Wireless Access, Server-Class Processing, Mesh Scalability & Expandability

The VeeaHub® STAX is the latest member of the VeeaHub family, offering a compact footprint for easy deployment, along with the latest processing and connectivity options available in an integrated edge access/computation platform.

Designed to meet the needs of a broad array of smart applications, the VeeaHub STAX integrates wired and wireless connectivity, quad core compute resources, and enough storage to support low-latency, IoT and data-intensive edge applications with no-code AI while providing for privacy and data sovereignty and context awareness — all secured by a chain of trust that starts with the hardware that will only run digitally signed software.

The VeeaHub STAX extends the capabilities of the Veea Edge Platform which is resetting the bar in edge computing, connectivity and security simplicity with a broad range of capabilities typically required for most use cases in one highly integrated unit with mesh networking and computing.



VeeaHub is a highly integrated connectivity and computation platform which integrates local mesh interconnect, wireless communication and compute capability into a single scalable unit. Designed to be used either standalone or as part of a mesh network, the VeeaHub combines the functions of Wireless Routers, IoT Gateways, and local servers into a single cloud-managed unit Central to managing this sophisticated wireless network is the VeeaCloud; a cloud-based dashboard that provides multiple easy to view graphical user interfaces backed up by a powerful backend management tool.



²Veea holds unique IP on Secure Docker containers that provide for highly secure platform environment for sandboxed applications to run on VeeaHub.







Product Highlights

- Tri-band Wi-Fi 6 Access Point
- IoT Gateway supporting Bluetooth (Classic and Bluetooth LE), Zigbee, Thread/ 6LoWPAN, GNSS supported by 4G LTE or 5G (Sub-6 GHz) WAN
- · Mesh router with advanced networking
- Linux server with quad-core CPU and virtualized software environment for Secure Docker² containers, Software Defined Networking (SDN) and **Network Function Virtualization**
- Up to 2TB local Storage with optional NVMe support via module
- Veea Developer Portal with toolkit for application developers
- IoT Gateway Application toolkit with automation tools and templates
- · Comprehensive multi-tenant cloud management
- Modular expandability
- Fan-less; No special cooling required
- Operating temperature 0°C to 40°C





| Compute | |
|--------------------------|---|
| Processing | Arm® Cortex®-A53 Quad-core @ 1.4GHz |
| Memory | • 3 GB PCDDR4 |
| Internal Storage | • 32 GB eMMC flash |
| External Storage | Up to 2TB via microSDXC™ Optional 1 TB or 2 TB NVMe® Storage Module |
| Hardware Acceleration | Dual Network Processing Units @ 1.5GHz Cryptography Engine Packet Processing Engine |

| Wi-Fi® | |
|------------------------------------|--|
| Standards | Tri-band IEEE 802.11 a/b/g/n/ac/ax |
| Radio Chains and Peak PHY Rates | 2.4GHz: 2x2:2 / 574 Mbps 5.2GHz: 2x2:2 / 1201 Mbps 5.7GHz: 2x2:2 / 1201 Mbps |
| Bandwidth | • 20, 40, 80 MHz |
| SSID Management | • 12 SSIDs, 4 per WiFi radio |
| Capacity | • 128 clients per radio |
| Security | WPA-PSK, WPA-TKIP, WPA2 AES, WPA3, 802.11i SSID (AP Isolation) Dynamic PSK |
| Other Features | Channel Selection (DFS/ACS) Device Roaming (802.11r) AP, Hotspot |
| RF Configuration | 2 internal antenna per WiFi radio Patented antenna design |
| Frequency Bands | 2.4 - 2.484 GHz (ISM) 5.17 - 5.25 GHz (U-NII-1) 5.25 - 5.33 GHz (U-NII-2) 5.49 - 5.73 GHz (U-NII-2e) 5.73 - 5.83 GHz (U-NII-3) |

| IoT Connectivity | |
|------------------|--|
| Bluetooth® | Bluetooth Classic 4.2 Bluetooth 5.x (Bluetooth Low Energy) |
| Zigbee® | • Zigbee 3.0, Zigbee Pro |
| Thread® | Supported |

| WWAN Connectivity | |
|-------------------|--|
| C | ptional with 4G or 5G modules |
| 5G Module | 3GPP R.16 NSA/SA, Sub-6 GHz GNSS External uSIM tray Internal eSIM |
| 4G / LTE Module | CAT-6 to CAT-19GNSSExternal uSIM trayInternal eSIM |

| Networking | |
|------------|---|
| Mesh | Wired or Wireless vMesh® Technology |
| IP | • IPv4, IPv6, dual-stack |
| Security | Stateful Firewall 802.1Q VLAN 802.1x VxLAN |

| Physical Interfaces | |
|---------------------|--|
| Status LED(s) | Multi-color status LED |
| WAN / LAN Ports | 2x 1000 Base-T Ethernet |
| Expansion Connector | Proprietary, multiple high-speed interconnects |
| PoE | Optional cradle |
| Other | microSDXC™ Slot Reset button |

| Physical Characteristics | |
|---------------------------|---|
| Environment | • Indoors |
| Colors | • White |
| Dimensions (L × W × H) | 107mm x 107mm x 49mm (base unit) 107mm x 107mm x 87mm (with 4G or 5G Module) |
| Weight | 0.41 kg (base unit)0.69 kg (with 4G or 5G Module) |
| Mounting Options | Desk Ceiling |
| Operating Temp. | • 0°C to 40°C |

| Power | |
|---------------------|--|
| Power Supply | • 12 VDC @ 2.5A |
| Typical Consumption | 14.1 W (base unit) 18 W (with 4G or 5G module) |

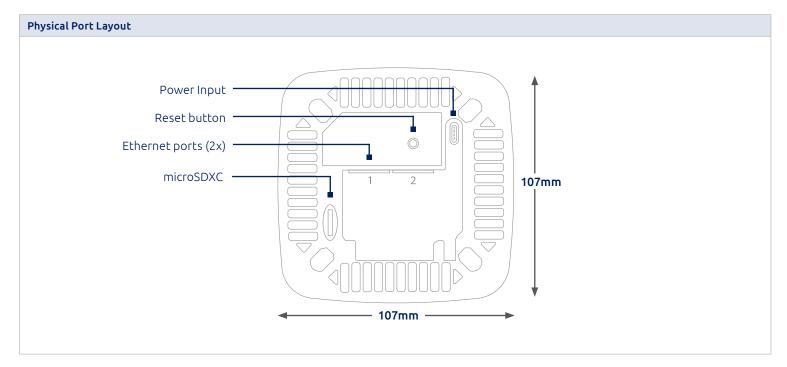
| Certifications and Compliance | |
|-------------------------------|---------------------|
| Electric Certifications | • FCC/CE/KC/SSRC/UL |

| Software & Services | |
|--|--|
| For more information, visit veea.com/resources | |
| Management & Monitoring | Veea Control Center VeeaHub Manager |
| Cloud Services | Veea Cloud |
| VeeaWare & Edge Applications | Containerized applications VeeaHub Developer Toolkit |



| Warranty | |
|----------|--|
| Туре | Limited device warranty VeeaCare extended warranty packages available. |

| Ordering Information | | |
|----------------------|--|--|
| | Contact us at sales@veea.com for sales or additional information | |
| Model Number | • VHC25 | |
| Optional Accessories | VeeaCare packages 4G/LTE Module 5G Module NVMe Storage Module Mounting Bracket Spare Ethernet Cable | |



Specifications subject to change without notice. Country-specific regulatory information is available upon request.

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