Solutions Guide

Guide to VeeaONE™ Platform and VeeaHub® Family

Autumn 2025

Intelligently Connected™

veea.com

Our mission focuses on the transformative potential of edge computing.

We aim to harness this technology to reduce latency, enhance security, and lower data and bandwidth costs, all while ensuring system autonomy.

At Veea, we are dedicated to providing innovative solutions that unlock the full potential of edge computing, bridging the gap to a more connected, efficient, and **intelligent world.**

Veea® – Autumn 2025

Solutions Guide

INTRODUCTION & VEEAONE PLATFORM

VEEAHUB FAMILY

The VeeaONE Platform™ is the adaptable edge computing foundation designed to transform to meet the exact needs of your organization.

Unlike fragmented solutions that require separate servers, storage appliances, firewalls, routers, and wireless access points, the VeeaONE Platform consolidates these critical functions into compact, integrated hardware built for the edge. Each device provides enterprise-grade connectivity, computing, and security in one unit, managed seamlessly through the cloud and on-premises tools.

Every organization faces unique connectivity and computing challenges but shares the same requirements: rapid deployment, consistent performance, and simplified management. The VeeaONE Platform was engineered to address those realities. From securing a hospital's clinical network, to extending community broadband in underserved regions, to enabling safety and IoT monitoring at industrial job sites, VeeaONE adapts to real-world conditions while maintaining a single trusted, high-performance architecture.

Connect

Comprehensive connectivity with Wi-Fi, Bluetooth, Zigbee, Matter & Thread. Optional LoRaWAN and 4G/5G support expand your network's reach, while vMesh allows for efficient expansion.

Compute

Engineered with quad-core CPUs, offering a robust computing environment. Linux software platform supports multiple apps , enabling virtualized environments for diverse operational needs.

Secure

VeeaONE Platform is designed with security at its core, adhering to the highest industry standards. It offers customizable options to best meet specific needs & robust protections against emerging digital threats.

Develop

Use our developer portal to quickly develop highly integrated, secure, cost-effective AI, IoT and blockchain applications on VeeaONE. Build powerful, reliable & scalable Edge AI apps with ease.

VeeaONE Works for Everyone

Veea has unified computing, communications, edge storage and cybersecurity solutions through fully integrated cloud- and edge-managed products. Veea's pioneering VeeaONE Platform, developed from the ground up in several compact form factors, brings together the functionality typically provided for through any combination of servers, Network Attached Storage (NAS) devices, routers, firewalls, Wi-Fi APs, IoT gateways, 4G or 5G wireless access, and Cloud Computing by means of multiple hardware, software and systems integrated and maintained by IT/OT professionals.

A Platform with Depth and Breadth

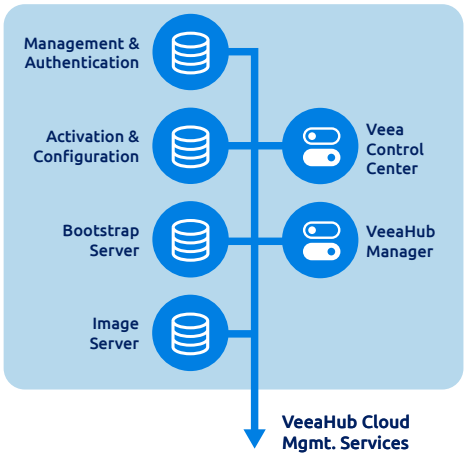
What makes VeeaONE unique is the way these solutions are delivered: through hardware designed specifically for edge computing. Veea has unified computing, communications, edge storage, and cybersecurity in compact, integrated products that eliminate the need for racks of separate equipment traditionally deployed by IT/OT professionals. The result is faster deployment, reduced complexity, and lower total cost of ownership.

Cloud Intelligence for the VeeaONE Platform™

VeeaCloud

VeeaCloud is the orchestration and management layer of the VeeaONE Platform™, built to simplify deployment, operation, and scaling of networks. Combining cloud-native architecture with local resilience, it keeps VeeaHubs secure, optimized, and responsive whether managed by IT teams or local staff.

VeeaCloud unifies critical functions into a single platform: it automates device updates, streamlines containerized application deployment, provides real-time monitoring with Grafana dashboards, and enforces end-to-end security through a hardware root of trust and policy-driven management. This makes it easier and more cost-effective for organizations to deploy, manage, and scale edge solutions globally.



Key Features

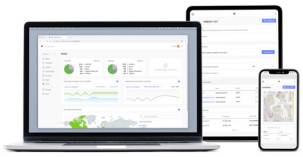
- **Unified Management** – Centralized control via Control Center with local access through VeeaHub Manager.
- **Simplified Provisioning** – Automated onboarding, FoTA, and configuration management at scale.
- **Application Orchestration** – Remote deployment of containerized workloads with local resilience.
- **Network Control** – Mesh analytics, VLANs, client insights, and cellular activation tools.
- **Analytics & Security** – Grafana dashboards, monitoring, alarms, and lifecycle security enforcement.

VeeaCloud goes beyond basic device management to deliver a full edge operations framework that unifies deployment, orchestration, monitoring, and security into one platform. Its automation features accelerate onboarding, provisioning, and updates across entire fleets of VeeaHubs, while orchestration tools simplify application delivery through containers and serverless functions. Real-time monitoring, Grafana-powered analytics, and proactive alerts give IT teams the visibility needed to maintain performance, optimize resources, and resolve issues before they disrupt operations. Even during public network outages, local resilience ensures critical services continue to run. Anchored by a hardware root of trust and policy-driven lifecycle controls, VeeaCloud enforces strict security across every layer.

The result is a solution that reduces operational complexity, strengthens compliance, and provides enterprises with a scalable, sustainable foundation for future edge deployments.

Management and Insights, Anywhere

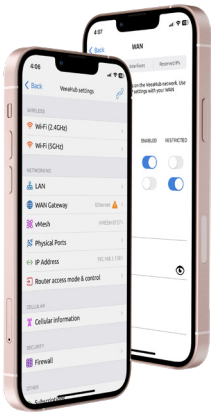
Control Center & VeeaHub Manager



Control Center – Powerful management & insight tools

Veea Control Center offers a comprehensive portal for managing devices and applications in your system. With the Control Center, you can easily review the details of your VeeaHubs and mesh network. Furthermore, you can take advantage of deep analytics with the corresponding graphs, which can help you gain meaningful insights into your system performance and potential cost savings when using predictive maintenance techniques.

- **Device Management**
  - Status of meshes, devices, apps
  - Events and notifications
  - Bulk FOTA
- **Application Management**
  - Ability for developers to upload applications
  - Control distribution teams for applications
  - Subscribe to applications
- **Enterprise Administration**
  - SSO with SAML and OpenID Connect
  - Role-based access control
- **vMesh Analytics and Insights**
  - System & Node (CPU, memory, network, storage)
  - Temperature and alerts
  - Wi-Fi (Connected Clients, Signal Strength)
- **Network Management**
  - Database of approved users
  - 'Over-the-Air (OTA)' software upgrades
  - 4G/5G for Business Continuity and Secure Access
- **Site Management**
  - Information, Topology & Status



VeeaHub Manager - Management on the Go

VeeaHub Manager is a mobile application for iOS and Android that simplifies the registration and management of VeeaHub devices. It enables quick setup of individual VeeaHubs or entire device meshes, making deployment fast and straightforward. Once registered, devices automatically receive the necessary licenses and can be integrated with the Control Center for centralized management.

Beyond setup, VeeaHub Manager provides on-the-go diagnostics and local control, allowing users to monitor performance, adjust vMesh configurations, and manage devices directly from their mobile device. This combination of simplicity, portability, and integration ensures that both IT staff and local operators can manage networks with ease and confidence.

Building Blocks of the Future

Enabling Edge Technologies

IoT Runtime

The Internet of Things (IoT) offers huge potential, but diverse devices, protocols, and environments make development complex. The VeeaONE Platform™ and IoT Toolkit simplify this by enabling fast creation and deployment of IoT solutions. With integrated interfaces—Wi-Fi, Bluetooth, Zigbee, and LoRaWAN—in one platform, developers can easily discover, connect, and manage devices. Built-in protocol stacks accelerate application building, with continuous updates ensuring support for the latest devices.

vTBA

Veea's virtual Trusted Broadband Access (vTBA) is a secure network fabric spanning LAN and WAN that redefines how internet services are delivered. Designed for homes, connected buildings, and climate-smart agriculture, vTBA connects directly to Wi-Fi-enabled devices to provide personalized connectivity and robust security across diverse environments. vTBA enables unprecedented customization of bandwidth, quality of service, and security settings on a per-device basis.

Edge AI

The future of artificial intelligence lies in being fast, secure, and decentralized, and VeeaONE Platform is at the forefront of this innovation. By combining the power of embedded Linux servers and edge computing, VeeaHub Edge Servers are uniquely designed to collect and process data for deep learning applications at the edge, while also seamlessly integrating with centralized AI servers. VeeaONE Platform is ideally suited for Edge AI models, ensuring maximum privacy and security with local data processing capabilities.

Cybersecurity

Veea's Cybersecurity solution is an edge-native platform that unifies traffic visibility, AI-driven anomaly detection, identity-based access, and zero trust enforcement. It protects data at rest and in motion while reducing complexity and cost. Unlike traditional patchworks of VPNs, firewalls, and agents, it adapts to IoT, mobile, and edge environments, enabling operators to deliver secure, compliant, and scalable connectivity as a core service.

- **Explore more at veea.com/platform/enabling-technologies**

Proven and reliable

Featured Veea Solutions

Veea SecureConnect™

As 5G coverage expands, mobile operators, MVNOs and ISPs have a unique opportunity to offer far more than connectivity for mobile devices. Veea SecureConnect™ enables you to deliver an all-in-one solution combining high-speed wireless broadband, enterprise-grade cybersecurity, AI-powered cameras, and cloud-based network management—all under your own brand and with your SIM, eSIM or SoftSIM. Designed for SMBs, retail chains, and branch offices, SecureConnect turns complex IT into a plug-and-play monthly service, giving operators a high-margin, recurring revenue product tailored to business customers.

- **Learn more at veea.com/solutions/secureconnect**

Veea AirLynx™

AirLynx™ is Veea's next-gen solution for delivering fast, secure, and intelligent internet access to unserved and underserved communities. It extends beyond basic connectivity, providing cloud-managed services, local content, and real-time applications from the edge directly to Wi-Fi devices and IoT endpoints. Designed for areas lacking reliable broadband or cellular coverage, AirLynx enables service providers to offer turnkey, subscription-based "cellular-like" Wi-Fi and IoT coverage indoors or outdoors. Backed by fiber, 4G/5G, or satellite, it brings affordable connectivity to apartment buildings, commercial sites, rural towns, and remote communities.

- **Learn more at veea.com/solutions/airlynx**

Veea MetaLynx™

MetaLynx™ by Veea is a distributed, intelligent edge-to-cloud platform built for AI-rich, real-time applications. It delivers secure, scalable infrastructure that brings AI and data processing to the edge, enabling industries to operate autonomously, make instant decisions, and protect data privacy while reducing reliance on centralized cloud resources.As a personal cloud at the edge, MetaLynx provides compute power and NVMe storage across multi-access, multi-protocol networks with built-in AI acceleration. Purpose-built for localized inferencing, federated learning, and multi-location orchestration, it redefines edge computing as an AI-first architecture.

- **Learn more at veea.com/solutions/metalynx**

Choosing the right VeeaHub

The VeeaONE Platform is not a single device but a family of hardware form factors optimized for different environments. Whether it is a compact indoor hub, a rugged outdoor unit rated to IP65 standards, or a modular, ceiling-mountable micro-edge server, each model is designed with specific deployment scenarios in mind. All share the same underlying architecture:

- Quad-core, 64-bit compute resources to handle modern applications.
- Integrated storage with options up to multi-terabyte NVMe or SSD.
- Wired and wireless connectivity including Ethernet, Wi-Fi, 4G LTE, and optional 5G WWAN.
- IoT gateway functions supporting Bluetooth, Zigbee, Thread/6LoWPAN, GNSS, and optional LoRaWAN.
- Hardware root of trust ensuring that only digitally signed software can run.

This consistency allows organizations to select the right form factor for each site, while maintaining a single, unified platform for management and security.

VeeaHub STAX
Compact, Stylish Indoor Hub with expandability.

VeeaHub VHE09 / VHE10
Indoor Hub for Enterprise-Grade Applications.

VeeaHub VHH09 / VHH10
Outdoor Hub for Industrial IoT Applications.

VeeaHubs stands as a cornerstone in the realm of edge computing, expertly bridging the gap between traditional cloud computing and the emerging needs of IoT connectivity. This innovative solution takes a leap forward by processing data directly at the source, ensuring swift, real-time analytics that traditional cloud setups struggle to match.

		Connect								Compute						
		Wifi		Ethernet		Cellular and IoT				Memory (DRAM)				CPU	Storage	
Model	Made For	Dual band	Tri-band	10 100 1G	2.5G 5G	4G	5G	LoRa	Bluetooth & Zigbee	2GB	3GB	4GB	8GB	GHz	Base	Expansion
STAX	Indoor		●			○	○				●			1.4	32 GB	Up to 2 TBs
VHE09		●				○		○		●		○		1.5		
VHE10			●	●	●	○			●			●	○			
VHH09	Outdoor	●				●		●				●	○			
VHH10			●			○	○	○				●	○			

● Standard ○ Optional

Model VHC25

VeeaHub STAX

Elevate your computing experience with the VeeaHub STAX®, a standout in the VeeaHub family. This compact hub is an epitome of efficiency and connectivity, designed to seamlessly fit into various environments. Equipped with the latest in wireless technology, including Wi-Fi 6 and optional 5G support, VeeaHub STAX ensures unparalleled connectivity.

Small, but powerful

VeeaHub STAX offers the latest in computing and connectivity options in a compact footprint for easy deployment. Measuring just 107×107×49mm for the base unit, this compact indoor unit can be also mounted on a ceiling if needed with ease.

Despite its size, the VeeaHub STAX provides enterprise-class performance. It integrates high-performance compute resources with robust connectivity options including Zigbee, Thread, Bluetooth 5, and optional 5G WWAN, enabling seamless interaction with IoT devices and next-generation networks.

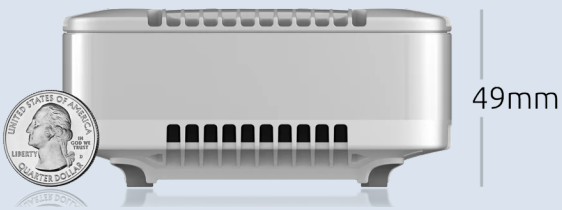
This combination makes STAX a versatile solution for organizations seeking both compactness and capability without compromise.

NVMe Support

NVMe is a transport and storage access protocol developed for next-generation solid-state drives (SSDs) - enabling AI-powered applications, 5G networks, gaming, and high-resolution streaming, ensuring a seamless, low-latency user experience.

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 Docker[2] 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 0ºC to 40ºC



VeeaHub STAX is a compact powerhouse, packing great connectivity and robust compute power into a small box.

Now with 5G

The optional 5G module transforms VeeaHub STAX into a high-speed access point capable of delivering broadband service in locations where traditional wired connections are unreliable/unavailable. This makes it particularly valuable for:

- Remote sites such as construction zones, pop-up retail, or rural operations.
- Temporary deployments including events, seasonal businesses, or disaster recovery.
- Multi-location enterprises requiring consistent, secure connectivity across distributed facilities.

With 5G, organizations gain the resilience of wireless broadband while maintaining full integration into the VeeaONE Platform™, ensuring seamless mesh networking, policy-based security, and centralized management.

Modular Expandability

Unlike fixed, single-purpose devices, the VeeaHub STAX is designed to grow with your business needs. The platform supports a modular expansion system that allows customers to add capabilities such as Power-over-Ethernet (PoE) or 5G connectivity.

Modules can be pre-installed at purchase as part of a bundle, or shipped separately for technician installation at a later stage. Once attached, the modules are automatically detected and configured by the system, eliminating the need for complex setup. Businesses can monitor and manage module performance directly through Veea Control Center or the VeeaHub Manager mobile app, ensuring full visibility and control from day one.

This modular design future-proofs deployments, giving enterprises the flexibility to add advanced features only when needed, reducing upfront costs while ensuring long-term scalability.

The 5G and PoE modules for VeeaHub STAX provide significant business benefits by enhancing connectivity and reducing the total cost of ownership (TCO). With the 5G Module, businesses gain high-speed wireless access in areas lacking reliable wired connections. The PoE module simplifies infrastructure by delivering both power and data through a single Ethernet cable, cutting down on installation costs and reducing the need for additional power outlets, making device placement more flexible.

Do more with NVMe

NVMe is a transport and storage access protocol developed for next-generation solid-state drives (SSDs). NVMe® performance is known for the fastest response times and highest throughput for different kinds of enterprise workloads.

A mesh network of NVMe storage-powered edge nodes enhances CDN efficiency, reduces latency, and scales dynamically to meet future demands. It is particularly beneficial for AI-powered applications, 5G networks, gaming, and high-resolution streaming, ensuring a seamless, low-latency user experience.

By leveraging NVMe, STAX unlocks the speed and efficiency required by modern applications such as:

- AI-powered workloads that demand fast local inference.
- 5G network functions with high data throughput and low latency.
- High-resolution media streaming for video conferencing or digital signage.
- Edge gaming experiences requiring rapid storage access.

NVMe ensures that the VeeaHub STAX not only meets the needs of today's connected business but is also ready to support the demanding applications of tomorrow.

Complete Edge Platform in a Compact Design

With its small footprint, modular expandability, optional 5G connectivity, and NVMe-enabled performance, the VeeaHub STAX represents a new class of compact edge computing platform. It brings together computing, connectivity, and storage in one unit that is easy to deploy, scale, and manage through the VeeaONE ecosystem.

Whether supporting IoT devices, enabling high-speed connectivity in underserved areas, or powering data-intensive applications, the VeeaHub STAX delivers enterprise-grade capability in a package no bigger than your hand.

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

Optional 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-19 • GNSS • External uSIM tray • Internal eSIM

Certifications and Compliance

Electric Certifications	• FCC / CE / KC / SSRC / UL

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 supporting PoE++ (802.3bt Type 3, Class 4 or Class 5) – 1G, 2.5G, 5G and 10G speeds via Multi-Gigabit RJ45 Copper. – Class 5 required for additional modules such as 5G.
Other	• microSDXC™ Slot • Reset button

Physical Characteristics

Environment	• Indoors
Colors	• White
Dimensions (L x W x 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)

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

2.4GHz – RX Sensitivity / TX Power (dBm)

	HT20		HT40	
	MCS0	MCS7	MCS0	MCS7
RX	-94	-75	-91	-72
TX	21	19	21	19

	HE20				HE40			
	MCS0	MCS7	MCS9	MCS11	MCS0	MCS7	MCS9	MCS11
RX	-94	-75	-70	-64	-91	-73	-67	-61
TX	21	19	18	16	21	19	18	16

5GHz – RX Sensitivity / TX Power (dBm)

	VHT20				VHT40				VHT80			
	MCS0	MCS7	MCS8	MCS9	MCS0	MCS7	MCS8	MCS9	MCS0	MCS7	MCS8	MCS9
RX	-92	-73	-70	–	-89	-70	-67	-64	-86	-67	-64	-61
TX	20	18	17	–	20	18	17	17	20	18	17	17

	HE20				HE40				HE80			
	MCS0	MCS7	MCS9	MCS11	MCS0	MCS7	MCS9	MCS11	MCS0	MCS7	MCS9	MCS11
RX	-92	-73	-67	-63	-89	-70	-65	-60	-86	-67	-62	-57
TX	20	18	17	15	20	18	17	15	20	18	17	15

5G Module (Optional)

Chipset		• Qualcomm Snapdragon X62-based
eSIM / uSIM		• External uSIM tray • Internal eSIM
5G	**NR**	• 3GPP Release 16 NSA/SA operation, Sub-6 GHz
	NSA Bands	• n1/n2/n3/n5/n7/n8/n12/n13/n18/n20/n25/n26/n28/n30/n38/n40/n41/n48/n66/n71/n77/n78/n79
	SA Bands	• n1/n2/n3/n5/n7/n8/n12/n13/n18/n20/n25/n26/n28/n30/n38/n40/n41/n48/n66/n71/n77/n78/n79
	Sub-6 CA	• FDD + FDD, TDD + TDD, FDD + TDD 2CA
	DL 4x4 MIMO	• n1/n2/n3/n7/n25/n38/n41/n48/n66/n77/n78/n79
4G	**Category**	• CAT-19
	Bands	• B1/B2/B3/B4/B5/B7/B8/B12(B17)/B13/B14/B18/B19/B20/B26/B28/B29/B30/B32/B38/B39/B40/B41/B42/B43/B48/B66/B71
	DL 4x4 MIMO	• B1/B2/B3/B4/B7/B38/B41/B42/B43/B48/B66

PoE Module (Optional)

Standard	• Support PoE++ (802.3bt Type 3, Class 4 or Class 5) • I2C-UART interface provides information about the class granted by the PSE.
Dimensions	• 48mm high (module itself) • 78.5mm high (with STAX Base)
Ethernet	• nBase-T Multi-Gigabit Ethernet RJ45 Copper • 1G, 2.5G, 5G and 10G speeds
Roles	• Configurable as a LAN or WAN interface
Mounting Options	• Cell • Wall
Notes	• Class 5 required for additional modules such as 5G.

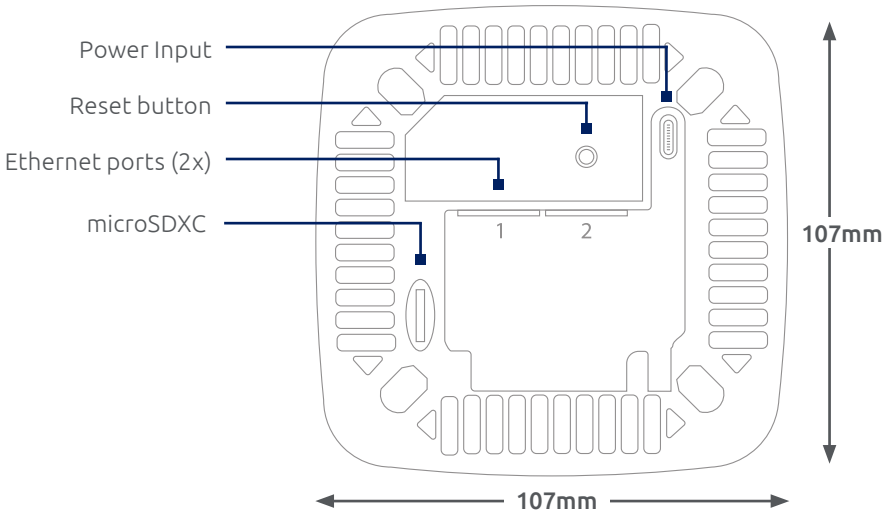
NVMe Module (Optional)

Standard	• NVM Express (NVMe)
Dimensions	• 19.14mm high (module itself) • 68.14mm high (with STAX Base)
Storage Options	• 1 TB • 2 TB
Performance	• Write: up to 200MBps • Read: up to 450MBps
Use Cases	• Streaming & Video on Demand (VoD) • AI Model Inference at the Edge • Metaverse & Real-Time 3D Rendering • Storage/CDN Cybersecurity and DDoS Mitigation

Warranty	
Type	• 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 • 5G Module • NVMe Storage Module • Mounting Bracket • Spare Ethernet Cable

Physical Port Layout (Base Unit)



Model VHE09

VeeaHub Pro

The VeeaHub Pro (Model VHE09) delivers enterprise-level processing power in a compact, integrated edge access and computation platform. It is built to support a wide range of smart edge applications, combining wired and wireless connectivity, quad-core compute resources, and onboard storage to handle low-latency, IoT, and data-intensive workloads. With no-code AI capabilities, the VHE09 ensures privacy, data sovereignty, and context awareness, all secured by a hardware-based chain of trust that only runs digitally signed software.

Built for Smart Edge Applications

Designed for indoor deployments, the VHE09 provides a broad mix of simultaneous connectivity options to meet the needs of modern edge environments. Its architecture allows enterprises to run advanced IoT and AI-driven solutions directly at the edge, minimizing reliance on the cloud while maintaining full control over sensitive data.

Extending the VeeaONE Platform™

The VHE09 extends the VeeaONE Platform™, which redefines edge computing simplicity by delivering mesh networking and computing in a single, highly integrated unit. This combination of performance, security, and flexibility enables businesses to deploy a complete edge solution that meets the majority of use cases without added complexity.

Product Highlights

- Dual-band Wi-Fi 5 Access Point
- IoT Gateway supporting Bluetooth (Classic and BLE), Zigbee, Thread/ 6LoWPAN, GNSS, LoRaWAN (optional) supported by 5GBASE-T and 4G LTE (optional) 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
- Veea Developer Portal with toolkit for application developers
- IoT Gateway Application toolkit with automation tools and templates
- Comprehensive multi-tenant cloud management
- Support for no-code AI workflows
- Fan-less; No special cooling required
- Operating temperature 0ºC to 50ºC

Compute	
Processing	• Arm® ARMv8 • Quad-core @ 1.5GHz
Memory	• 2 GB PCDDR4 (4 GB option available)
Internal Storage	• 32 GB eMMC flash
External Storage	• Up to 2TB via microSDXC™
Hardware Acceleration	• Cryptography Engine

Wi-Fi®	
Standards	• Dual-band IEEE 802.11 a/b/n/ac
Radio Chains and Peak PHY Rates	• 2.4GHz: 2x2:2 / 300 Mbps • 5.2GHz: 4x4:4 / 1733 Mbps[1] (multiplexed)
Bandwidth	• 20, 40, 80 MHz
SSID Management	• 8 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	• 2.4GHz: 2 internal antennas • 5GHz: 4 internal antennas
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	
Optional with 4G module	
4G / LTE Module	• CAT-4 • GNSS • External uSIM tray

LoRaWAN Connectivity	
Optional module	
Available frequencies	• 900 MHz, 868 MHz, 470 MHz

Networking	
Mesh	• Wired or Wireless with 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 on the front panel • Status LEDs on the side panel
WAN / LAN Ports	• 1x 10/100/1000 Base-T Ethernet with PoE support • 1x 10/100/1000/2.5G/5G Base-T Ethernet
PoE	• Supported on Ethernet Port 1 (802.3bt Type 3)
USB	• 3x USB 3.0 Type A
RS323/422/485	• 1x 9-Pin D-Type
Other	• microSDXC™ Slot • Power button • Reset button

Physical Characteristics	
Environment	• Indoors
Colors	• White
Dimensions (L x W x H)	• 280mm x 275mm x 61mm
Weight	• 2.5 kg
Mounting Options	• Desk • Ceiling • Wall
Operating Temp.	• 0°C to 50°C

Power	
Power Supply	• 48 VDC @ 1.5A
Typical Consumption	• 60 W

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

[1] With two independent radios, the 5GHz APs and vMesh can each support a maximum data rate of 1733 MHz.

Wi-Fi Transmit Power and Receive Sensitivity

Band	Mode		Coding Scheme	TX Power (dBm)	RX Sensitivity (dBm)
2.4 GHz	802.11n	HT20	MCS0	20.0	-91.0
			MCS7	18.0	-72.0
5 GHz	802.11n	HT20	MCS0	22.0	-91.0
			MCS7	19.0	-72.0
		HT40	MCS0	22.0	-88.0
			MCS7	19.0	-70.0
	802.11ac	VHT20	MCS0	22.0	-90.0
			MCS7	19.0	-71.0
			MCS8	17.0	-67.0
			MCS9	N/A	N/A
		VHT40	MCS0	22.0	-87.0
			MCS7	19.0	-68.0
			MCS8	17.0	-64.0
			MCS9	17.0	-62.0
		VHT80	MCS0	22.0	-84.0
			MCS7	19.0	-65.0
			MCS8	17.0	-61.0
			MCS9	17.0	-59.0

4G Module (Optional)

Chipset	• Quectel EC25 module (Country dependent)
eSIM / uSIM	• External uSIM tray • Internal eSIM

Warranty

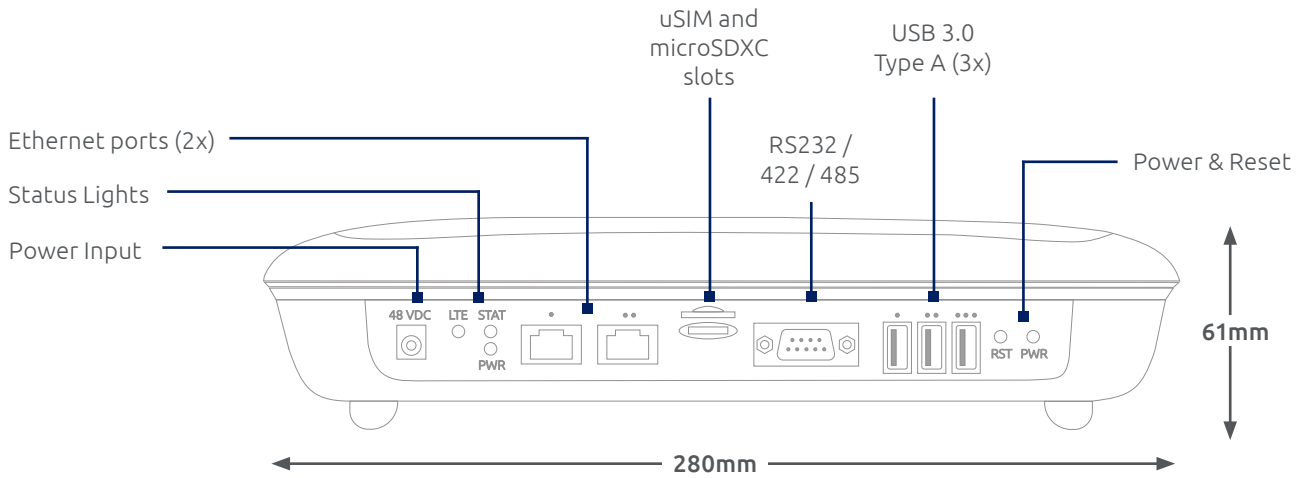
Type	• Limited device warranty • VeeaCare extended warranty packages available.

Ordering Information

Contact us at **sales@veea.com** for sales or additional information

Model Number	• VHE09
Optional Accessories	• VeeaCare packages • Mounting Bracket

Physical Port Layout



Model VHE10

VeeaHub Pro S

The VeeaHub Pro S (Model VHE10) builds on the proven VHE09 foundation with added tri-band wireless connectivity for even greater flexibility. It combines enterprise-grade compute power, wired and wireless networking, and integrated storage in a single edge access and computation platform.

With quad-core processing and no-code AI support, the VHE10 is engineered to run low-latency, IoT, and data-intensive applications while maintaining privacy, data sovereignty, and context awareness — all protected by a secure hardware root of trust.

Optimized for Smart Edge Deployments

Tailored for demanding indoor applications, the VHE10 delivers broad, simultaneous connectivity options with the added advantage of tri-band Wi-Fi. This allows enterprises to support more devices and bandwidth-heavy workloads without sacrificing performance. Its architecture enables advanced IoT and AI-driven solutions to run at the edge, reducing cloud dependency and ensuring sensitive data stays under direct control.

Extending the VeeaONE Platform™

The VHE10 extends the capabilities of the VeeaONE Platform™, delivering mesh networking, security, and computing in one highly integrated system. Its tri-band connectivity and robust processing make it ideal for organizations that require scalable edge performance with simplified deployment and management across diverse use cases.

Product Highlights

- Tri-band Wi-Fi 5 Access Point
- IoT Gateway supporting Bluetooth (Classic and BLE), Zigbee, Thread/ 6LoWPAN and GNSS supported by 5GBASE-T and 4G LTE 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
- Veea Developer Portal with toolkit for application developers
- IoT Gateway Application toolkit with automation tools and templates
- Comprehensive multi-tenant cloud management
- Support for no-code AI workflows
- Fan-less; No special cooling required
- Operating temperature 0ºC to 50ºC

Compute	
Processing	• Arm® ARMv8 • Quad-core @ 1.5GHz
Memory	• 4 GB PCDDR4 (8 GB option available)
Internal Storage	• 32 GB eMMC flash
External Storage	• Up to 2TB via microSDXC™
Hardware Acceleration	• Cryptography Engine

Wi-Fi®	
Standards	• Tri-band IEEE 802.11 a/b/g/n/ac
Radio Chains and Peak PHY Rates[1]	• 2.4GHz: 2x2:2 / 300 Mbps • 5.1 - 5.3GHz: 4x4:4 / 1733 Mbps • 5.4 - 5.8GHz: 4x4:4 / 1733 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	• 2.4GHz: 2 internal antennas • 5GHz: 4 internal antennas
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	
Optional with 4G module	
4G / LTE Module	• CAT-4 • GNSS • External uSIM tray

Networking	
Mesh	• Wired or Wireless with 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 on the front panel • Status LEDs on the side panel
WAN / LAN Ports	• 1x 10/100/1000 Base-T Ethernet with PoE support • 1x 10/100/1000/2.5G/5G Base-T Ethernet
PoE	• Supported on Ethernet Port 1 (802.3bt Type 3)
USB	• 3x USB 3.0 Type A
RS323/422/485	• 1x 9-Pin D-Type
Other	• microSDXC™ Slot • Power button • Reset button

Physical Characteristics	
Environment	• Indoors
Colors	• White
Dimensions (L x W x H)	• 280mm x 275mm x 61mm
Weight	• 2.5 kg
Mounting Options	• Desk • Ceiling • Wall
Operating Temp.	• 0°C to 50°C

Power	
Power Supply	• 48 VDC @ 1.5A
Typical Consumption	• 60 W

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

[1] With two independent radios, the 5GHz APs and vMesh can each support a maximum data rate of 1733 MHz.

Wi-Fi Transmit Power and Receive Sensitivity

Band	Mode		Coding Scheme	TX Power (dBm)	RX Sensitivity (dBm)
2.4 GHz	802.11n	HT20	MCS0	20.0	-91.0
			MCS7	18.0	-72.0
5 GHz	802.11n	HT20	MCS0	22.0	-91.0
			MCS7	19.0	-72.0
		HT40	MCS0	22.0	-88.0
			MCS7	19.0	-70.0
	802.11ac	VHT20	MCS0	22.0	-90.0
			MCS7	19.0	-71.0
			MCS8	17.0	-67.0
			MCS9	N/A	N/A
		VHT40	MCS0	22.0	-87.0
			MCS7	19.0	-68.0
			MCS8	17.0	-64.0
			MCS9	17.0	-62.0
		VHT80	MCS0	22.0	-84.0
			MCS7	19.0	-65.0
			MCS8	17.0	-61.0
			MCS9	17.0	-59.0

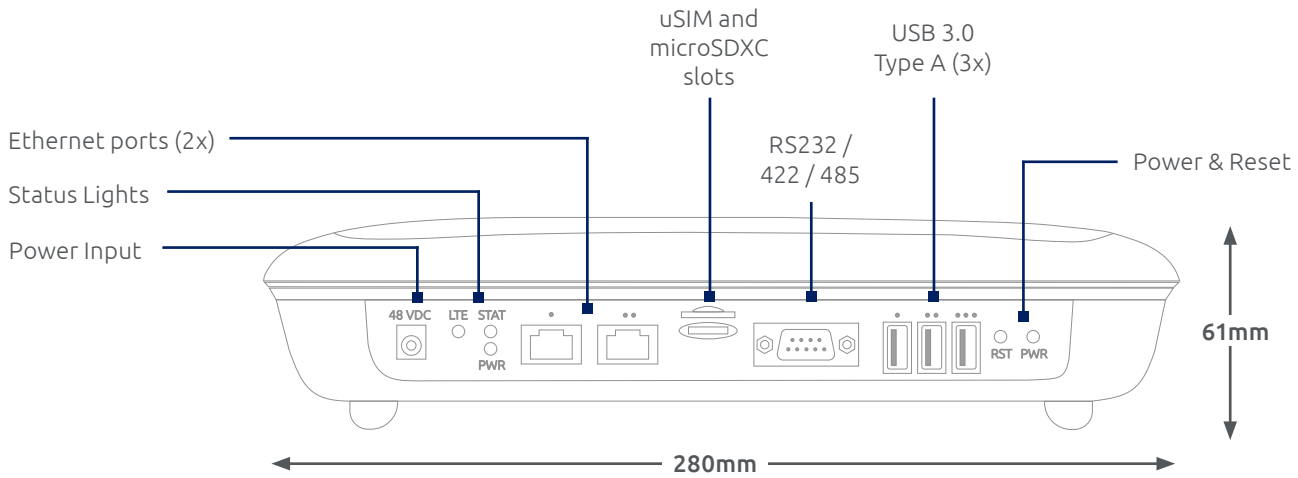
4G Module (Optional)

Chipset	• Quectel EC25 module (Country dependent)
eSIM / uSIM	• External uSIM tray • Internal eSIM

Warranty	
Type	• Limited device warranty • VeeaCare extended warranty packages available.

Ordering Information	
Contact us at **sales@veea.com** for sales or additional information	
Model Number	• VHE10
Optional Accessories	• VeeaCare packages • Mounting Bracket

Physical Port Layout



Model VHH09

VeeaHub Outdoor

The VeeaHub Outdoor (Model VHH09) is built for harsh conditions with an IP65-rated enclosure that operates reliably from -40°C to 65°C. It delivers dual-band Wi-Fi 5 access point functionality, advanced mesh routing, and IoT gateway services in a compact, fanless design that requires no special cooling. Powered by a 64-bit quad-core CPU, it supports no-code AI workflows, software-defined networking, and containerized applications in a secure, virtualized environment.

Broad Connectivity and IoT Integration

Designed for outdoor deployments, the VeeaHub Outdoor integrates wired and wireless options including 5GBASE-T, 4G LTE WAN, and dual-band Wi-Fi 5. Its IoT gateway capabilities support Bluetooth (Classic and BLE), Zigbee, Thread/6LoWPAN, GNSS, and optional LoRaWAN, enabling seamless connectivity across a diverse ecosystem of devices. With up to 2TB of local storage and support for automation tools and templates, it is well suited for real-time, data-intensive, and IoT-driven applications at the edge.

Part of the VeeaONE Platform™

Extending the VeeaONE Platform™, the VeeaHub Outdoor combines mesh networking, advanced networking features, and multi-tenant cloud management in a single, resilient unit. Developers can leverage the Veea Developer Portal and IoT gateway application toolkit to build and deploy applications quickly. This makes the VeeaHub Outdoor an ideal solution for organizations that need secure, high-performance edge capabilities in outdoor or industrial environments.

Product Highlights

- Dual-band Wi-Fi 5 Access Point
- IoT Gateway supporting Bluetooth (Classic and BLE), Zigbee, Thread/6LoWPAN, GNSS, LoRaWAN (optional) supported by 5GBASE-T and 4G LTE WAN
- Mesh router with advanced networking
- Linux server with 64-bit quad-core CPU and virtualized software environment for Secure Docker2 containers, Software Defined Networking (SDN) and Network Function Virtualization
- Up to 2TB local Storage
- Veea Developer Portal with toolkit for application developers
- IoT Gateway Application toolkit with automation tools and templates
- Comprehensive multi-tenant cloud management
- Support for no-code AI workflows
- Fan-less; No special cooling required
- IP65 enclosure rating
- Operating temperature -40°C to 65°C

Compute	
Processing	• Arm® ARMv8 • Quad-core @ 1.5GHz
Memory	• 4 GB PCDDR4 (8 GB option available)
Internal Storage	• 32 GB eMMC flash
External Storage	• Up to 2TB via microSDXC™
Hardware Acceleration	• Cryptography Engine

Wi-Fi®	
Standards	• Dual-band IEEE 802.11 a/b/n/ac
Radio Chains and Peak PHY Rates	• 2.4GHz: 2x2:2 / 300 Mbps • 5.2GHz: 4x4:4 / 1733 Mbps[1] (multiplexed)
Bandwidth	• 20, 40, 80 MHz
SSID Management	• 8 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	• 2.4GHz: 2 internal antennas • 5.2GHz: 4 internal antennas
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	
Optional with 4G module	
4G / LTE Module	• CAT-4 • GNSS • uSIM tray behind access port

LoRaWAN Connectivity	
Available frequencies	• 900 MHz, 868 MHz, 470 MHz

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

Physical Interfaces	
Status LED(s)	• Status LEDs on the side panel
WAN / LAN Ports	• 1x 10/100/1000 with PoE support (M12 Conn.) • 1x 10/100/1000/2.5G/5G (M12 Connector)
PoE	• Supported on Ethernet Port 1 (802.3bt Type 3)
RS323/422/485	• 1x M12 5-pin connector
Other	• microSDXC™ Slot • Reset button

Physical Characteristics	
Environment	• Outdoors • IP65 Rating
Colors	• White
Dimensions (L x W x H)	• 360mm x 295mm x 90mm
Weight	• 2.8 kg
Mounting Options	• Wall • Pole
Operating Temp.	• -40°C to 65°C

Power	
Power Supply	• 48 VDC @ 1.5A
Typical Consumption	• 60 W

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

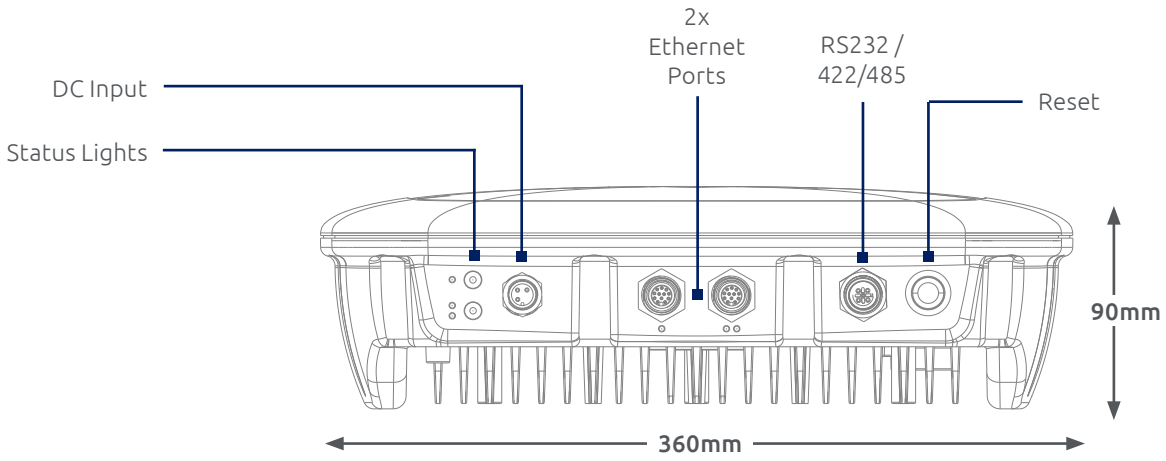
[1] With two independent radios, the 5GHz APs and vMesh can each support a maximum data rate of 1733 MHz.

Wi-Fi Transmit Power and Receive Sensitivity					
Band	**Mode**		**Coding Scheme**	**TX Power (dBm)**	**RX Sensitivity (dBm)**
2.4 GHz	802.11n	HT20	MCS0	20.0	-91.0
			MCS7	18.0	-72.0
5 GHz	802.11n	HT20	MCS0	22.0	-91.0
			MCS7	19.0	-72.0
		HT40	MCS0	22.0	-88.0
			MCS7	19.0	-70.0
	802.11ac	VHT20	MCS0	22.0	-90.0
			MCS7	19.0	-71.0
			MCS8	17.0	-67.0
			MCS9	N/A	N/A
		VHT40	MCS0	22.0	-87.0
			MCS7	19.0	-68.0
			MCS8	17.0	-64.0
			MCS9	17.0	-62.0
		VHT80	MCS0	22.0	-84.0
			MCS7	19.0	-65.0
			MCS8	17.0	-61.0
			MCS9	17.0	-59.0

Warranty	
Type	• Limited device warranty • VeeaCare extended warranty packages available.

Ordering Information	
Contact us at **sales@veea.com** for sales or additional information	
Model Number	• VHH09
Optional Accessories	• VeeaCare packages • Mounting Kit

Physical Port Layout



Model VHH10

VeeaHub Outdoor S

The VeeaHub Outdoor S (Model VHH10) expands on the proven VeeaHub Outdoor by adding tri-band Wi-Fi and optional 5G connectivity. It is housed in an IP65-rated enclosure designed to operate in extreme conditions from -40°C to 65°C, with a fanless design requiring no special cooling. Equipped with a 64-bit quad-core CPU, it supports secure containerized applications, no-code AI workflows, and advanced networking functions through SDN and NFV.

Broad IoT and Networking Capabilities

The VHH10 integrates wired and wireless connectivity including tri-band Wi-Fi 5, 5GBASE-T, 4G LTE WAN, and optional 5G. Its IoT gateway services cover Bluetooth (Classic and BLE), Zigbee, Thread/6LoWPAN, GNSS, and optional LoRaWAN, ensuring compatibility with a wide range of devices and protocols. With up to 2TB of local storage and support for automation tools, it is well suited for data-intensive, low-latency, and IoT-driven workloads at the edge.

Extending the VeeaONE Platform™

As part of the VeeaONE Platform™, the VHH10 delivers secure mesh networking, multi-tenant cloud management, and developer support through the Veea Developer Portal and IoT toolkit. Its tri-band connectivity and optional 5G make it a future-ready solution for enterprises requiring high-capacity outdoor edge deployments with flexible scalability.

Product Highlights

- Tri-band Wi-Fi 5 Access Point
- IoT Gateway supporting Bluetooth (Classic and BLE), Zigbee, Thread/ 6LoWPAN, GNSS, LoRaWAN (optional) supported by 5GBASE-T and 4G LTE or 5G (Sub- 6 GHz) WAN
- Mesh router with advanced networking
- Linux server with 64-bit quad-core CPU and virtualized software environment for Secure Docker2 containers, Software Defined Networking (SDN) and Network Function Virtualization
- Up to 2TB local Storage
- Veea Developer Portal with toolkit for application developers
- IoT Gateway Application toolkit with automation tools and templates
- Comprehensive multi-tenant cloud management
- Support for no-code AI workflows
- Fan-less; No special cooling required
- IP65 enclosure rating
- Operating temperature -40°C to 65°C

Compute

Processing	• Arm® ARMv8 • Quad-core @ 1.5GHz
Memory	• 4 GB PCDDR4 (8 GB option available)
Internal Storage	• 32 GB eMMC flash
External Storage	• Up to 2TB via microSDXC™
Hardware Acceleration	• Cryptography Engine

Wi-Fi®

Standards	• Tri-band IEEE 802.11 a/b/g/n/ac
Radio Chains and Peak PHY Rates[1]	• 2.4GHz: 2x2:2 / 300 Mbps • 5.1 - 5.3GHz: 4x4:4 / 1733 Mbps • 5.4 - 5.8GHz: 4x4:4 / 1733 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	• 2.4GHz: 2 internal antennas • 5.2GHz: 4 internal antennas
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

Optional with 4G or 5G modules

5G Module	• 3GPP R.16 NSA/SA, Sub-6 GHz • GNSS • uSIM tray behind access port • Internal eSIM
4G / LTE Module	• CAT-4 (Internal uSIM) • CAT-6 - CAT-19 (Internal uSIM + Internal eSIM[2]) • GNSS

LoRaWAN Connectivity

Optional module for base model or with 4G module

Available frequencies	• 900 MHz, 868 MHz, 470 MHz

Networking

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

Physical Interfaces

Status LED(s)	• Status LEDs on the side panel
WAN / LAN Ports	• 1x 10/100/1000 with PoE support (M12 Conn.) • 1x 10/100/1000/2.5G/5G (M12 Connector)
PoE	• Supported on Ethernet Port 1 (802.3bt Type 3)
RS323/422/485	• 1x M12 5-pin connector
Other	• microSDXC™ Slot • Reset button

Physical Characteristics

Environment	• Outdoors • IP65 Rating
Colors	• White
Dimensions (L x W x H)	• 360mm x 295mm x 90mm
Weight	• 2.8 kg
Mounting Options	• Wall • Pole
Operating Temp.	• -40°C to 65°C

Power

Power Supply	• 48 VDC @ 1.5A
Typical Consumption	• 60 W

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

[1] With two independent radios, the 5GHz APs and vMesh can each support a maximum data rate of 1733 MHz.

[2] Only available with CAT-6 - CAT-19, 5G Models

Wi-Fi Transmit Power and Receive Sensitivity

Band	Mode		Coding Scheme	TX Power (dBm)	RX Sensitivity (dBm)
2.4 GHz	802.11n	HT20	MCS0	20.0	-91.0
			MCS7	18.0	-72.0
5 GHz	802.11n	HT20	MCS0	22.0	-91.0
			MCS7	19.0	-72.0
		HT40	MCS0	22.0	-88.0
			MCS7	19.0	-70.0
	802.11ac	VHT20	MCS0	22.0	-90.0
			MCS7	19.0	-71.0
			MCS8	17.0	-67.0
			MCS9	N/A	N/A
		VHT40	MCS0	22.0	-87.0
			MCS7	19.0	-68.0
			MCS8	17.0	-64.0
			MCS9	17.0	-62.0
		VHT80	MCS0	22.0	-84.0
			MCS7	19.0	-65.0
			MCS8	17.0	-61.0
			MCS9	17.0	-59.0

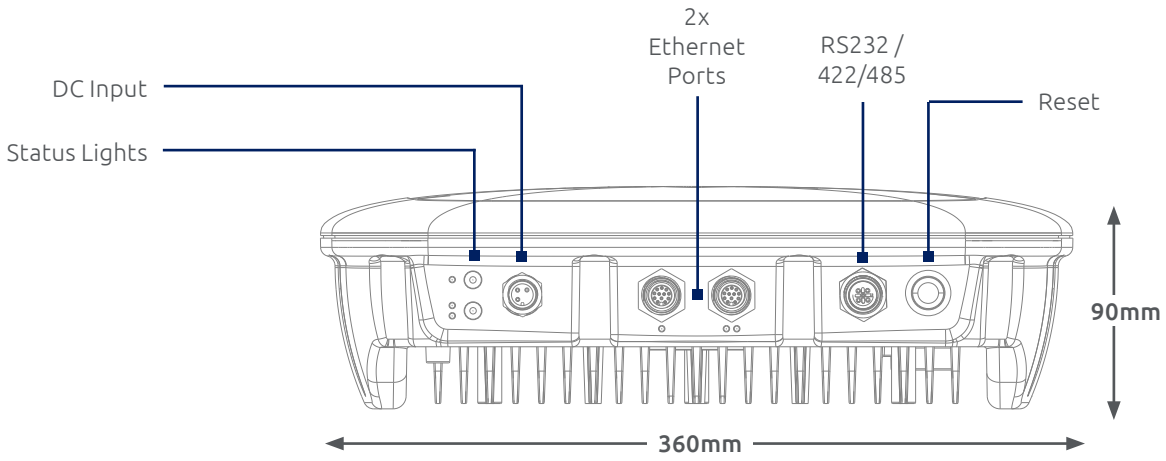
5G Module

Chipset		• Qualcomm Snapdragon X62-based
eSIM / uSIM		• External uSIM tray • Internal eSIM
5G	**NR**	• 3GPP Release 16 NSA/SA operation, Sub-6 GHz
	NSA Bands	• n1/n2/n3/n5/n7/n8/n12/n13/n18/n20/n25/n26/n28/n30/n38/n40/n41/n48/n66/n71/n77/n78/n79
	SA Bands	• n1/n2/n3/n5/n7/n8/n12/n13/n18/n20/n25/n26/n28/n30/n38/n40/n41/n48/n66/n71/n77/n78/n79
	Sub-6 CA	• FDD + FDD, TDD + TDD, FDD + TDD 2CA
	DL 4x4 MIMO	• n1/n2/n3/n7/n25/n38/n41/n48/n66/n77/n78/n79
4G	**Category**	• CAT-19
	Bands	• B1/B2/B3/B4/B5/B7/B8/B12(B17)/B13/B14/B18/B19/B20/B26/B28/B29/B30/B32/B38/B39/B40/B41/B42/B43/B48/B66/B71
	DL 4x4 MIMO	• B1/B2/B3/B4/B7/B38/B41/B42/B43/B48/B66

Warranty	
Type	• Limited device warranty • VeeaCare extended warranty packages available.

Ordering Information	
Contact us at **sales@veea.com** for sales or additional information	
Model Number	• VHH10
Optional Accessories	• VeeaCare packages • Mounting Kit

Physical Port Layout



Intelligently Connected™

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