

KM3-ES 2450 Harsh Environment Enclosure



SKU: 226396
Manufacturers #KM3-ES-2450

The Ventev KM3-ES is a NEMA 4X/IP66 version of the Rajant BreadCrumb® KM3. It offers the same features as the stand-alone Rajant BreadCrumb® KM3 but is designed to protect the radio from harsh environments and tampering in outdoor deployments. The plug-n-play solution minimizes installation time and offers superior protection for the radio, injectors and other WLAN equipment on the market today.

The Rajant BreadCrumb® KM3 is an ideal wireless network solution for the Energy market, particularly for Oil & Gas operations that rely heavily on SCADA, real-time monitoring, and video surveillance.

Every Ventev enclosure is covered by the company's 1-year warranty program.

For more information or to purchase, contact Ventev:
800.851.4965 or sales@ventev.com.

DIMENSIONS

- External (w/o Antenna): 11.36" x 14.06" x 6.08"

CONSTRUCTION:

- Polycarbonate enclosure constructed of thermoplastic material that is RoHS compliant
- UL F1-rated for outdoor UV, with high impact strength and UV resistance
- Stainless steel latch lock with padlock

COMPONENTS:

Ventev KM3-ES 2450 comes with the following shipped loose:

- Qty 2 of Rajant Antenna, 2.4GHz, 5dBi (Part # 75-100139-024)
- Qty 2 of Rajant Antenna, 5.8GHz, 6dBi (Part # 75-100139-058)
- Qty 2 of IP67 cord grips, one for PoE and 1 for 14ga DC line
- Qty 1 of Cat 6 jumper to connect DC/DC Conditioner to KM3
- Qty 1 of Pole Mount Kit made of heavy powder coated heavy gage steel
- Qty 1 of 10ft 14 AWG Stranded Copper SJO - DC Power from customers box to PoE DC/DC conditioner
- Qty 1 of 10ft Cat 6A Outdoor rated UV protected Patch cable - Clients Switch to PoE DC/DC conditioner

FEATURES AND BENEFITS:

- Patented InstaMesh® networking software, enabling the network to quickly adapt to rapidly deployed and quickly or constantly-moving network elements
- Multiple transceiver configurations for high levels of network reliability, redundancy, and diversity, and fewer problems due to interference, congestions, and equipment outages
- Radio frequencies – 2.4 GHz, and 5 GHz
- Supports up to 4 antennas with MIMO (multiple input, multiple output)
- Supports several strong cryptographic options used for data and MAC-address encryption and per-hop, per-packet authentication
- High-bandwidth for data, voice, and video applications
- Scalability to hundreds of fixed or mobile, high-bandwidth nodes
- Integrated Wi-Fi Access Point service for compatibility with millions of commercial off-the-shelf (COTS) client devices, such as laptops, tablets, smart phones, IP cameras, sensors, and other IP devices
- Self-configuring operation for fast and easy deployments
- Reliable, fast off-loading to Ethernet via multiple, simultaneous bridge-mode links through the Automatic Protocol Tunneling (APT) feature
- Seamless integration with current BreadCrumb® models, and backward compatible with older BreadCrumb® nodes
- Factory installed Rajant BreadCrumb® KM3, VHDC-24V-50W-LC DC/DC converter and Type N bulkhead Jumpers (Qty 4) ready for deployment
- Mounts indoors or outdoors on wall or pole (wall mounting feet and pole mount kit inc.)

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