

AP-1800

ROAMEO Access Point

The RTS ROAMEO System is an integrated digital wireless communications system consisting of beltpacks and access points communicating of DECT (Digital Enhanced Cordless Telecommunications) wireless technology; while communication between the access points and the Matrix uses OMNEO technology, the Dante-based platform for high-quality audio over IP.

DECT is a license-free, globally-accepted standard for wireless communication.

The ROAMEO AP-1800 is a stationary device intended for mounting on horizontal or vertical surfaces. Optionally, it can be mounted on a pole or handrail, using a mounting kit (ordered separately). The AP-1800 provides radio coverage for multiple belt packs. The coverage area varies according to the environment and placement of the AP-1800. Typical coverage areas range from 50 meters in most indoor applications to hundreds of meters in most outdoor applications

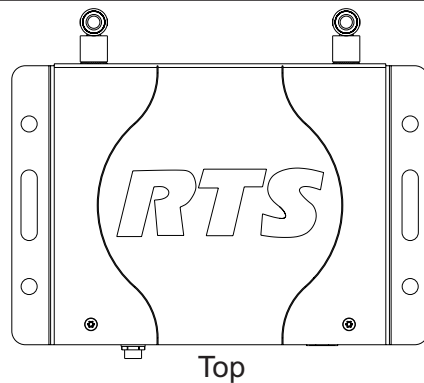
The solid design of the Roameo system is matched by the strength and flexibility of the communication system it supports.



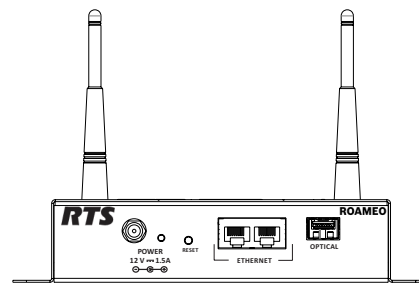
Features

- Designed to integrate seamlessly into your existing matrix system via an OMI (OMNEO Matrix Interface) card; enhancing your existing matrix system without disrupting other systems already in place.
- De-centralized system that easily expands as needs evolve, allowing the system to scale up by simply adding new access points and beltpacks.
- Supports two (2) voice codecs; G.722 for best audio quality and G.726 for large numbers of concurrent users in the system.
- Uses CAT-5e or better cable over standard Ethernet connections (802.3 Ethernet), by default. Also supports optional fiber connection.
- Supports flexible wiring designs for ease of installation. Multiple access points may be daisy chained using the dual RJ-45 connectors on the front panel. Up to seven APs or hops maximum.
- Low power usage, using approximately 6.5 Watts during typical conditions.
- No frequency planning is required for installation.

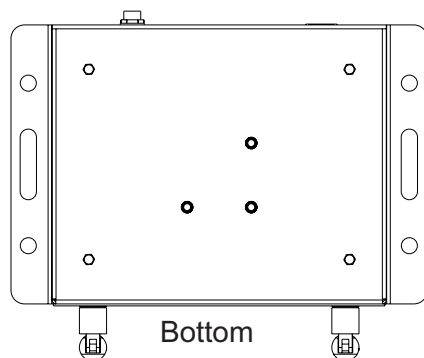
Line Drawings



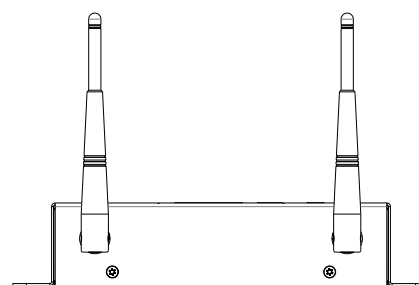
Top



Front



Bottom



Rear

