INTRODUCING

# KNECT

Wirelessly transmit Wiegand and OSDP data across an entire site using a hardware series designed to reduce friction and increase earnings for installers before, during and after deployment.

## Achieve Site-Wide Wiegand Coverage with Fewer Devices—and Win More Work.

**MULTI-DWELLING**

Conquer complex access control environments and navigate dense building layouts with ease.

**COMMERCIAL**

Deliver the most competitive bid by eliminating disruptions caused by traditional infrastructure upgrades.

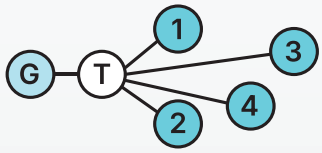
**INDUSTRIAL**

Simplify project size and scope with a plug-and-play wireless solution that scales for miles.

## Train staff on one series, gain two robust solutions.

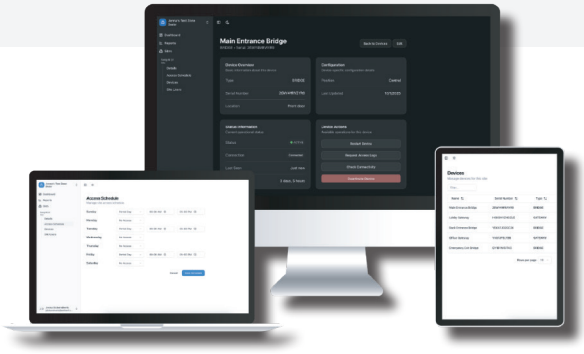
Aether RF's proprietary radio technology has been configured to provide installers with a One to One wireless network, for sites with fewer doors, as well as a One to Many solution for interconnected coverage across an entire site.


POINT TO POINT
WIRELESS BRIDGE




ONE TO MANY
WIRELESS NETWORK

ENDPOINT  TETHER  GATEWAY

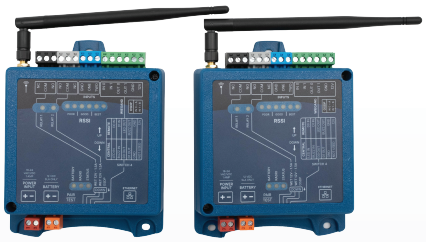


## Optional cloud management when you need it. Hardwired programming when you don't.

Utilize the Aether RF IoT web portal to manage devices across multiple sites, troubleshoot hardware remotely, and make it easy to establish a strong recurring revenue stream. Connection to the cloud is not a requirement for installation.

# WIRELESS WIEGAND & OSDP BRIDGE

Use two KNECT Endpoints to create a point-to-point wireless bridge compatible with OSDP or Wiegand protocols.



KNECT ENDPOINT SINGLE
(KEP-200)

KNECT ENDPOINT PAIR
(KEP-202)

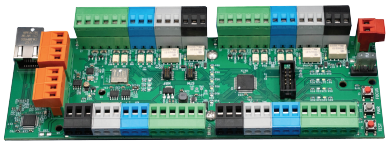

***POINT TO POINT WIRELESS BRIDGE***

ENDPOINT
(KEP-200)

# WIEGAND & OSDP WIRELESS NETWORK

***Multi-Entrance Solution: Wirelessly Connect Multiple Doors***

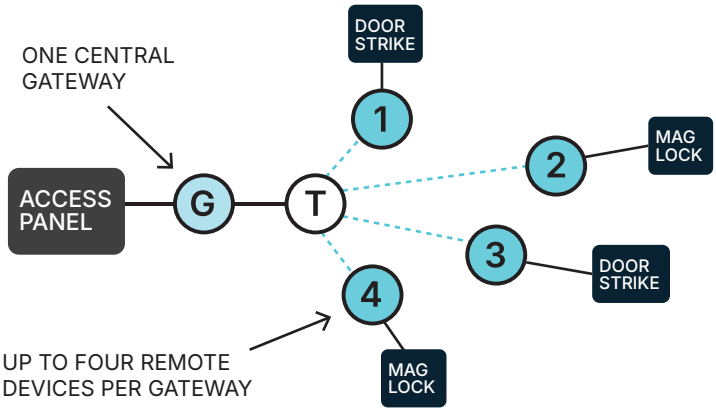
Use the One to Many Wireless Network to connect Endpoints across several remote entrances needing Wiegand or OSDP. One KNECT Gateway and ARF Tether are required to build the network, and can support up to four remote doors per gateway.



KNECT GATEWAY
(KGW-200)

KNECT ENDPOINT
(KEP-200)

ARF TETHER
(ARF-T100)




***ONE TO MANY WIRELESS NETWORK***

G GATEWAY (KGW-100)
T TETHER (ARF-T100)
ENDPOINT (KEP-200)

AETHER·RF

# KNECT™ Gateway

KGW-100

**Overview:** The KNECT™ Gateway collects data from existing access control panels and converts it into a wireless-friendly format for transmission to multiple remote locations. To operate, it must be used with a tether and endpoints to form a complete system.

**Requires:**
(1) ARF™ Tether
(2+) KNECT™ Endpoints

## FEATURES

**Operation:** Supports up to 8 KNECT™ Endpoints per gateway

**Communication:** Receives and packages data from existing access control panels. Manages communication to multiple endpoints.

**Power:** Receives power from the site's existing access control panel.

**Programming:** Offers optional cloud based device management and programing.

**Cloud Connected:** Optionally register the device on Aether RF IoT to unlock advanced reporting and diagnostic features.

## BENEFITS

**Convenient size:** Designed to accommodate a wide variety of site specifications. Measuring less than eight inches, each gateway can easily fit alongside existing infrastructure.

**Less hardware:** Reduces the amount of devices required on site when compared to traditional point to point wireless bridges.

**Utilize existing power:** Requires no additional power sources. Simply connect the gateway to the existing access control panel.

**Software Optional:** Enhance your visibility into device performance and unlock improved troubleshooting by claiming your device at AetherRFIoT.com

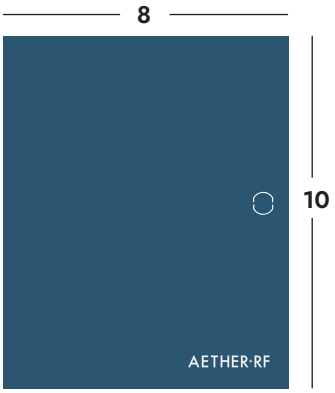
**On-site diagnostics:** For cloud connected devices, retrieve real time diagnostic information from all devices through the compatible technician app.

## SPECIFICATIONS

| | |
|---|---|
| **COMPATIBILITY** | Agnostic towards cloud based and on-prem access control systems. |
| **PROTOCOLS** | 4-48 bit Wiegand, OSDP |
| **RELAYS** | 1.5A 12VDC Dry: NO, NC, COM |
| **DIMENSIONS** | 10.75" x 8.67" x 3.3" (includes enclosure) |

| | |
|---|---|
| **OPERATING VOLTAGE** | 12 VDC |
| **OPERATING CURRENT** | 60mA (idle) |
| **COMMUNICATION** | Ethernet / BLE |

## PRODUCT DIMENSIONS

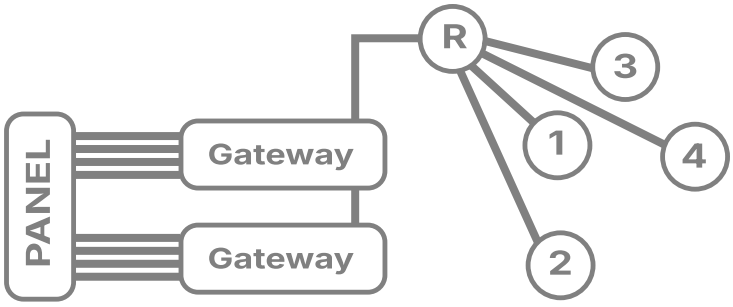



| | |
|---|---|
| **ENCLOSURE** | KNECT™ Gateway |

## PROGRAMING

The KNECT™ Gateway can act as a communication center for up to 8 endpoints. If your site requires more endpoints, multiple Gateways will be required.

Pairing endpoints to gateways is most efficiently done using the Aether RF IoT web platform. Devices can be paired to the gateway onsite utilizing the dip switches on the tether and endpoints. Each KNECT™ Gateway also includes three manual triggers to test and confirm successful pairing.





## SIMPLIFY PROGRAMING WITH AETHER RF IOT

Aether RF is committed to providing a seamless, effortless software experience for all users. Installers can utilize the Aether RF IoT web platform to manage devices across multiple sites, making it easy to establish a strong recurring revenue stream.

Register today at AetherRFIoT.com

AETHER·RF

# KNECT™ Endpoint

KEP-200

**Overview:** The KNECT™ Endpoint is a wireless bridge device that transmits data from an access control system, to a remote point of entry, without physical wiring. The endpoint offers flexible connectivity options, and can be used in a point to point or multipoint pairing configuration.

**Includes:**
(1) KNECT™ Endpoint
(1) Power supply

**Requires:**
(2) Endpoints are required to form a complete system. Devices are sold separately.

## FEATURES

**Point to Point or One to Many pairing:** Use traditional point to point wireless configuration or pair multiple endpoints using additional hardware.

**Range:** Aether RF's proprietary radio technology transmits reliable signal up to a mile through obstructions, and up to 25 miles line of sight.

**Wiegand, OSDP, and Relay Control:** utilize Wiegand, OSDP, or control two relays from the same device.

**16-24v AC or DC:** Features flexible power options to fit a variety of installation types.

**Battery Back-up:** Utilize an optional battery to ensure consistent power.

**Cloud Connected:** Optionally register the device on Aether RF IoT to unlock advanced reporting and diagnostic features.

## BENEFITS

**Convenient Size:** Designed to accommodate a wide variety of site specifications. Measuring less than 6 inches, each unit can easily fit into your preferred weatherproof box. Alternatively offered with NEMA enclosure included.

**Designed for easy installation:** The Endpoint is loaded with an array of LED indicators to help confirm proper installation. It also features color-coded terminals and an easy to follow diagram overlay.

**Flexible Connectivity Options:** Offers three connectivity options from the same device providing flexible installation options.

**Buy exactly what you need:** Can be sold in pairs or individually. This allows repairs or other site issues to be solved efficiently with a more cost effective solution.

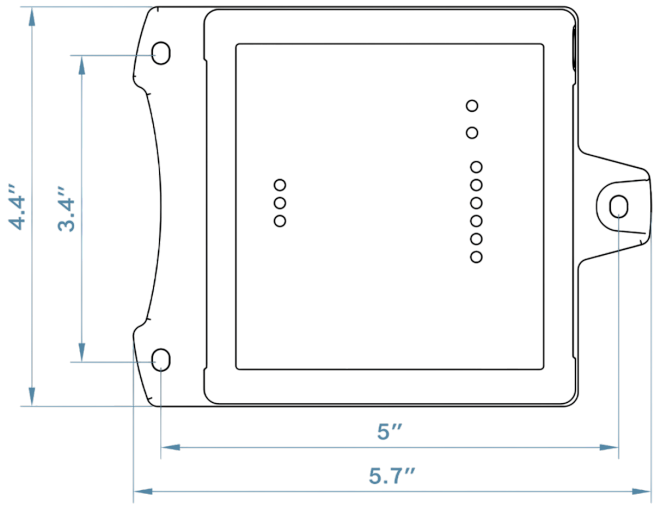
**On-site diagnostics:** For cloud connected devices, retrieve real time diagnostic information from all devices through the compatible technician app.

## SPECIFICATIONS

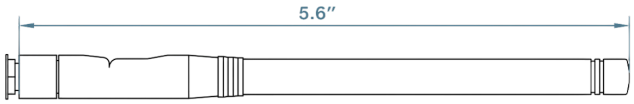
| | |
|---|---|
| **FREQUENCY BAND** | 902 - 928Mhz |
| **CHANNELS** | 128 **(Frequency Hopping)** |
| **BATTERY BACKUP** | 12V Sealed Lead Acid (SLA) |
| **BATTERY CHARGE VOLTAGE** | 13.6V maximum at standby |
| **COMPATIBILITY** | Supports 4 to 64 bit Wiegand formats, OSDP |

| | |
|---|---|
| **OPERATING VOLTAGE** | 16 - 24 VAC/VDC |
| **OPERATING CURRENT** | 64mA (idle), 159mA (transmit) |
| **OPERATING POWER** | 2.6 Watt (peak) |
| **RELAYS** | 1.5A 12VDC Wet or Dry: NO, NC, COM |
| **DIMENSIONS** | 5.7"(L) x 4.4"(W) without antenna |

## PRODUCT DIMENSIONS




| ENCLOSURE | KNECT™ Endpoint |
|---|---|

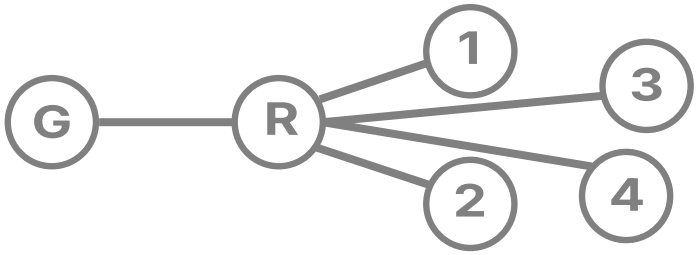



| ANTENNA | KNECT™ Endpoint |
|---|---|

## PROGRAMING

**Point to Point pairing:** When using the endpoint as a traditional wireless bridge, pairing can be done locally without a software platform. For point to point pairing, two endpoints are required. Devices pair in less than 10 minutes using the dip switch configuration process.


**One to Many pairing:** When using the endpoint in a One to Many configuration, a gateway is required. Each endpoint will individually pair to the gateway, which will direct communication between all endpoints. Streamline your pairing process by registering for the Aether RF IoT web platform.

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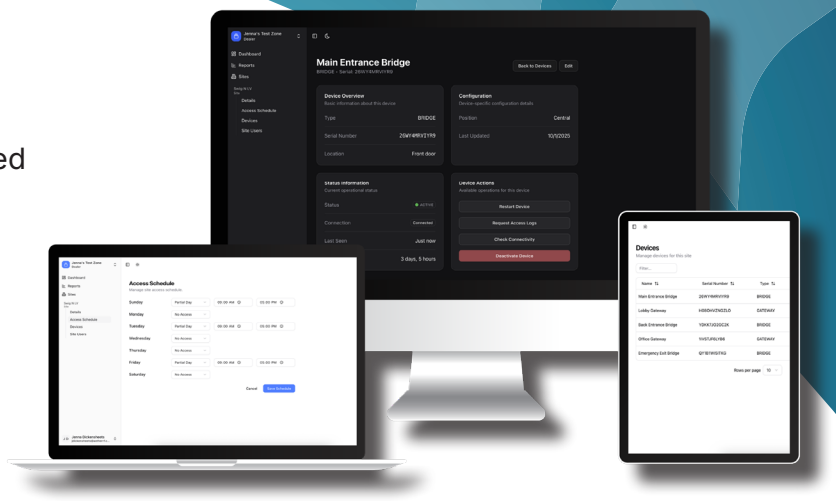
AETHER·RF

# Aether RF Web Portal

AetherRFIoT.com

**Overview:** The Aether RF Web Portal is designed to provide performance insights and advanced reporting capabilities for all compatible Aether RF devices. Use the portal to manage your fleet across multiple sites, assign credentials, and monitor device performance for optimal customer satisfaction.




**Requires:**
Company registration for Aether RF IoT

## FEATURES

**Cloud Based:** Visit the portal from any device by logging in at AetherRFIoT.com, no software download required.

**Data Collection:** View and download tailored reports for devices across each site to stay proactive the system's overall health.

**Client View:** For sites with credentialed devices, a client-view login is available for onsite management to update users and view access logs.

**Credentials:** Assign, adjust, and revoke credentials remotely for each applicable site.

## BENEFITS

**Claim your devices:** Registering your organization allows you to claim ownership of each device that you install, ensuring other vendors can not access or manipulate your settings while the device is claimed.

**Simplify installation:** Spend less time in the field by using the web portal to program your devices.

**Robust reporting:** Access detailed diagnostic data for each claimed device and download holistic data on all device performance across the site.

**Increase revenue:** Use the 24/7 remote monitoring from the portal to increase your service packages and design recurring billing programs centered around support.

## DASHBOARD DATA

**Fleet Dashboard:** Quickly determine the health of all claimed devices across all sites. Watch your fleet and monthly revenue grows over time.

**Site Dashboard:** Track the information that is most important for determine device operation and overall system health.

**Device Data:** View wireless performance over time, current signal strength, and other critical diagnostic data for each claimed device.