

# Wiegand Wireless Bridge

## SFK-DS004-WIEGAND

The Wiegand System features cutting-edge technology for precise, dependable, and wireless integration with Wiegand access control setups.

### Worldwide Certification:

This exclusive module is globally certified:  
 – FCC – CE – UKCA – IC – ANATEL – UAE  
 – BSI (India) – APAC – NOM – Israel – Singapore  
 – Thailand – China – Columbia

### Advanced Barrier Penetration:

Equipped with a specialized, patented technology, it ensures effective signal transmission even through substantial physical obstructions.

### Remarkable Distance Capability:

Efficiently communicates over distances up to 1 mile amidst dense barriers and extends beyond 50 miles in clear, unobstructed conditions.

## Specifications

**Operating Voltage**  
12VDC

**Operating Current (@12VDC)**  
0.05A (idle), 0.3A (transmit)

**Operating Power (@12VDC)**  
3.6 Watt (peak)

**Transmit Power**  
1 Watt (30dBm)

**Frequency Band**  
**US - CANADA - MEXICO**  
902.50 - 927.35 MHz  
**INDIA**  
865.1 - 866.9 MHz

**UAE**  
863.2 - 869.8 MHz

**EU**  
863.050 - 869.950 MHz

**900 MHz**  
**BRAZIL**  
902.0 - 907.4 MHz  
915.2 - 927.6 MHz

**AUS**  
915.400 - 927.600 MHz

**JAPAN**  
920.600 - 923.400 MHz

**KOREA**  
917.100 - 920.300 MHz

**THAILAND**  
920.1 - 924.9 MHz

**CHINA and SINGAPORE**  
920.625 - 924.375 MHz

**COLOMBIA**  
915.10 - 927.35 MHz

**Frequency Modulation**  
CHIRP Spread Spectrum

**Channels**  
72 (Frequency Hopping)

**Receiver Sensitivity**  
-133dBm with Rolling Encryption Keys

**Link Budget**  
163dB

**Encryption**  
AES128

**Range**  
Up to 1 mile through obstructions and 50+ miles line-of-sight

**Battery Backup Connection**  
12V Sealed Lead Acid (SLA) type only

**Battery Charge Voltage**  
13.75V maximum at standby

### Relays

Relays - Controller Interface:	Two Form C relays; 30VDC/30VAC, 1A, 60W/125VA
Relays - Remote Interface:	Two Form C solid state relays; 30VDC/30VAC, 1A  Max combined current 2A, Inductive
Relays - Remote Interface (Wet):	10.42 - 12VDC special application, 1A Inductive (logic. Relays JP1/JP2 and VBUS: 2A combined)

**Operating Temperature**  
-40 F to +185 F (-40 C to +85 C)

**Storage Temperature**  
-67 F to +257 F (-55 C to +125 C)

### Mounting Options

DIN (35mm x 7.5mm) or directly mount with two screws

Wiegand Controller Interface



4.2"

Wiegand Remote Interface



4.2"