

# Device Connector Rugged

Vendor Neutral Bridge, Extend SpeedFusion to Wi-Fi

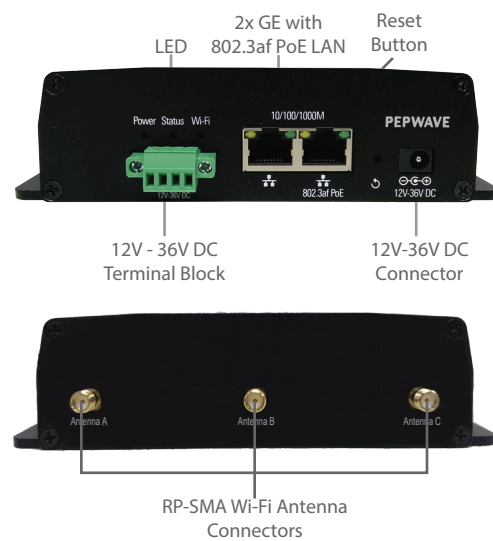
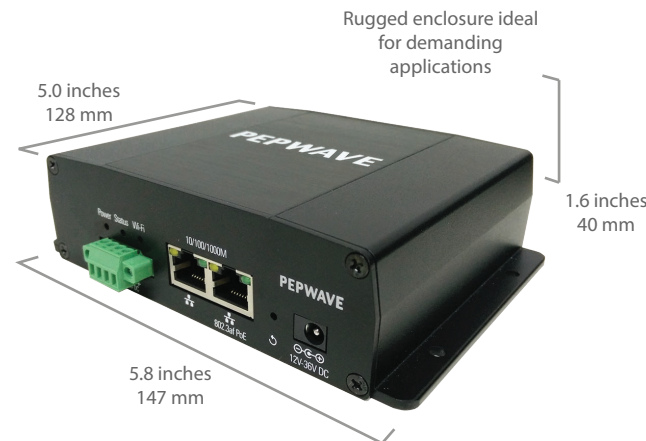


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## Specifications

Device Connector Rugged	
Product Code	DCS-RUG
Wi-Fi Interface	802.11ac/a/b/g/n 3x3 MIMO
Ethernet Port	2x GE
Hardware Features	
Enclosure	Indoor Metal
Dimension	5.8 x 5.0 x 1.6 inches 147 x 128 x 40 mm
Weight	0.96 pounds 435 grams
Power Input	Device: 12V - 36V DC AC Adapter: AC Input 100V - 240V / DC Output 12V Terminal Block: 12V - 36V DC 802.3af PoE (Injector Not Included)
Power Consumption	8.5W, max. 13W
Operating Temperature	-4° - 149°F -20° - 65°C
Humidity	15% - 95% (non-condensing)
Certification	FCC, CE, RoHS
Warranty	1-Year Limited Warranty



The Device Connector enables Ethernet devices to access wireless networks with unbreakable reliability. Using our signal bonding technology, Ethernet devices can connect using the combined bandwidth of 2.4GHz and 5GHz frequency Wi-Fi in a single LAN connection. The Device Connector is compatible with any access point, so you can just drop it in and go - no network reconfiguration or device upgrades needed.

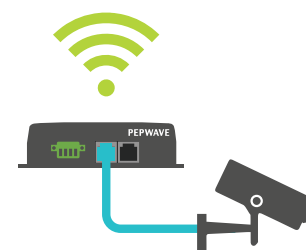
## Product Ordering Information

Product Code	Product Name	Description
DCS-RUG	Device Connector Rugged	802.11ac/a/b/g/n layer 2 client bridge in metallic indoor enclosure. Manageable by InControl cloud management.

## Features

- Network**
  - Bridge Mode
  - Router (NAT) Mode
  - Support for PPP, Static IP, DHCP
  - Management VLAN (802.1p)
  - Spanning Tree Protocol (802.1d)
- AP Security**
  - Open, WEP
  - 802.1x with Dynamic WEP
  - WPA-PSK/RADIUS
  - WPA2-PSK/RADIUS
- Client Authentication**
  - EAP-TTLS/EAP-PEAP/EAP-TLS
  - CHAP/MSCHAP/MSCHAPV2/PAP
  - EAP Outer Authentication Identity
  - RADIUS Server with Certificate Authentication
- Complete VPN Solution**
  - PepVPN
  - Site-to-Site VPN
  - 256-bit AES Encryption
  - Pre-shared Key Authentication
  - Dynamic Routing
- Device Management**
  - Web Administrative Interface
  - InControl Cloud Management
  - FusionHub Controller
  - SNMP v1, v2c and v3
- Certification**
  - FCC, CE, RoHS

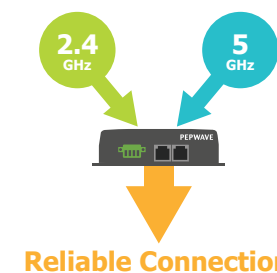
### Need to Connect to Wi-Fi?



Get the Coverage You Need Without Setup. Plug-and-Play.

Easily extend Wi-Fi coverage in minutes with Pepwave's Device Connector. The Device Connector gets your devices talking over a large area without wires or configuration headaches. And because it works transparently at Layer 2, the Device Connector is compatible with any access point.

### Need More Reliability?



Turn your 2.4GHz and 5GHz Signals Into One Connection.

Normally, Wi-Fi devices will force you to choose between 5GHz or 2.4GHz. With the Device Connector, you can have both. Simply connect your device to the Ethernet port and the device connector will combine 5GHz and 2.4GHz into a single reliable connection.

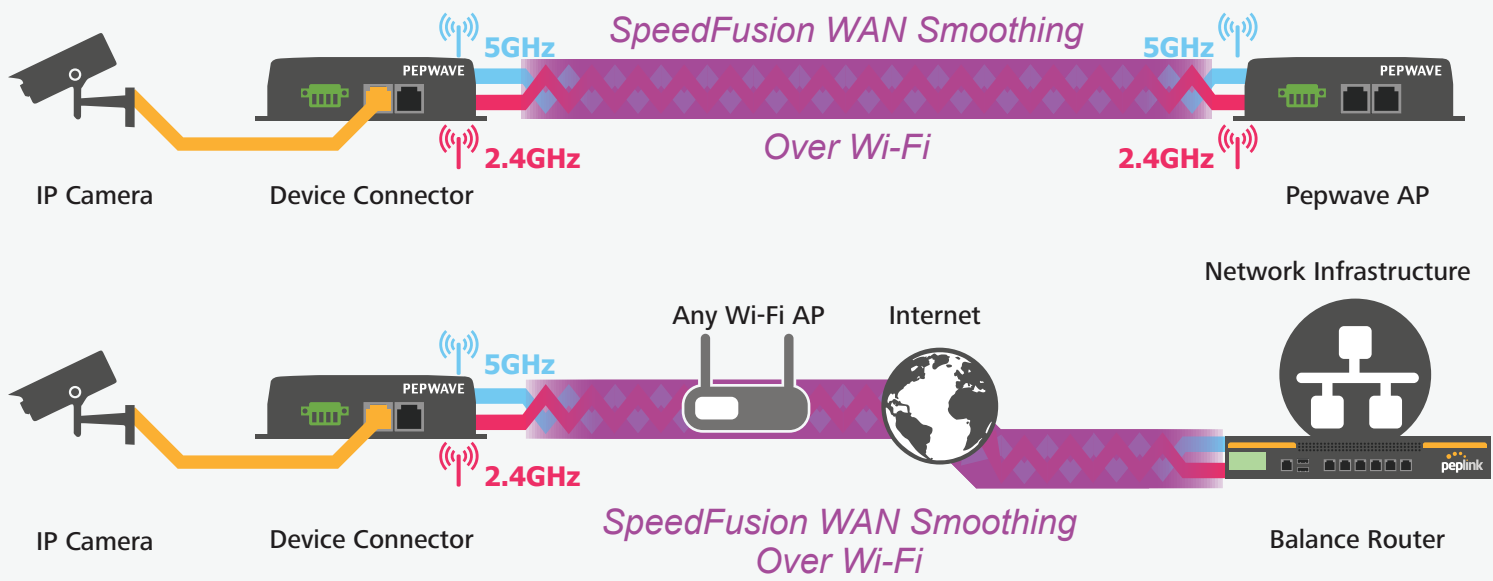
### Jumping Between APs?



CarFi Fast Roaming. WAN Reliability with Wi-Fi Mobility.

CarFi Fast Roaming, available as an optional software upgrade, lets your Device Connector seamlessly hop from AP to AP in a matter of seconds. Whether you're commanding an emergency situation, coordinating a construction project, or keeping your warehouse stocked, CarFi Fast Roaming keeps everyone communicating at all times.

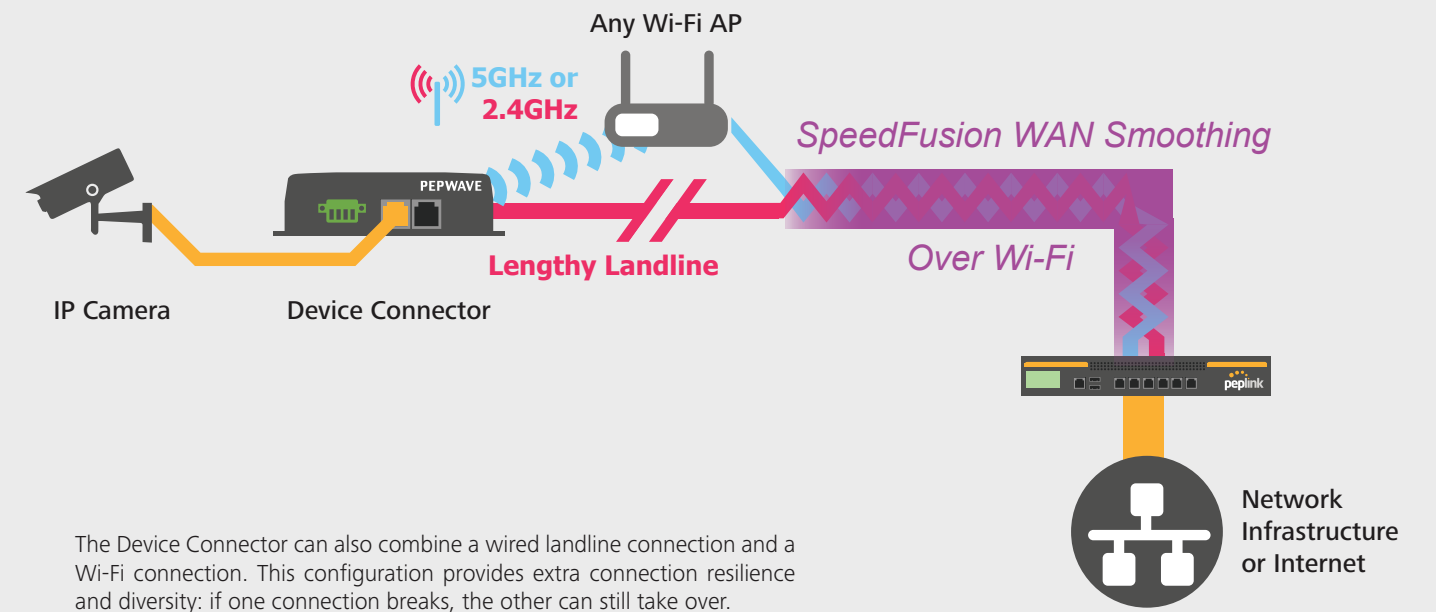
## Point-to-Point Deployment



Using the Device Connector, the IP camera is able to upload videos using both the 5GHz and 2.4GHz frequencies at the same time. If one frequency loses connectivity, the other will seamlessly take over. If the network is

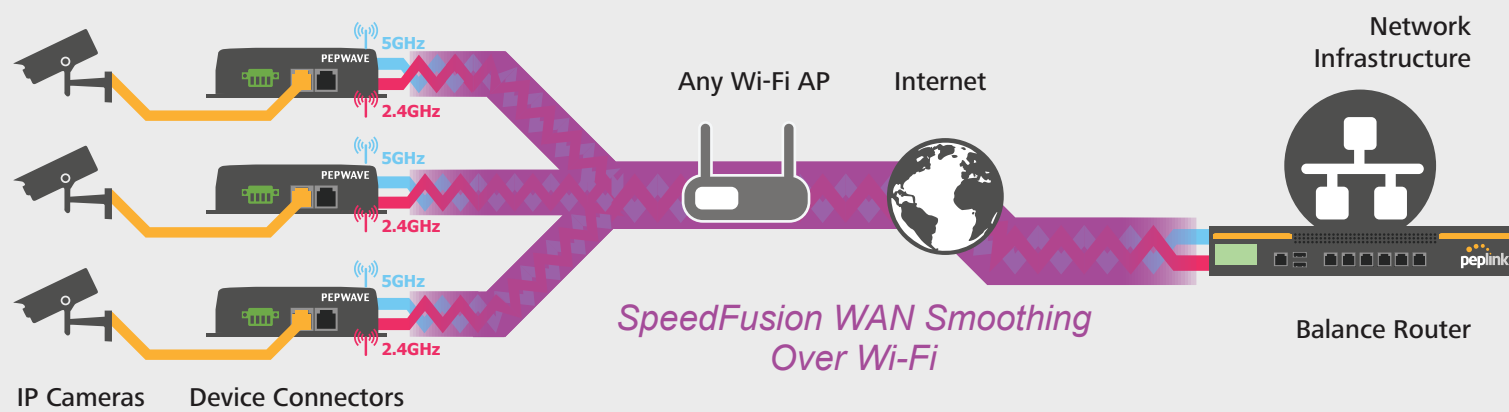
using an AP from another vendor, frequency combination can also be achieved by forming a SpeedFusion tunnel between the device connector and a SpeedFusion-enabled router.

## SpeedFusion Between Wi-Fi and Landline



The Device Connector can also combine a wired landline connection and a Wi-Fi connection. This configuration provides extra connection resilience and diversity: if one connection breaks, the other can still take over.

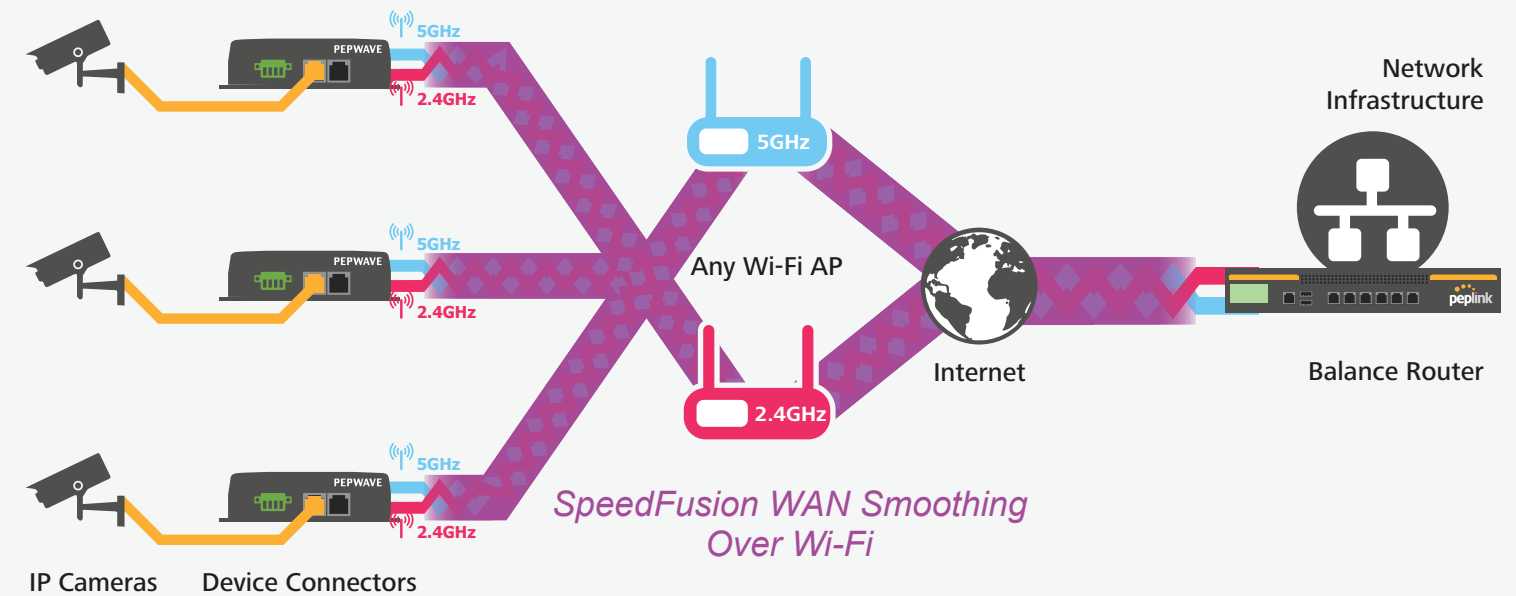
## One Access Point, Multiple Devices



Multiple devices could connect to headquarters using both the 2.4GHz and 5 GHz frequencies coming from a single AP. This is achieved by hooking up a Device Connector to each device, and then connecting them any AP.

Using this configuration, the device connectors will be able to form SpeedFusion connections with the Balance Router located at the network infrastructure, providing the enhanced reliability of combined bandwidth.

## Multiple Devices, Multiple Access Points



Even with each frequency coming from a different AP, the Device Connector can combine the 2.4GHz and 5.0 GHz frequencies. To do so, simply place a SpeedFusion enabled router at your network infrastructure

to receive the combined traffic. This configuration provides additional reliability; if one AP ceases to function for any reason, all devices can still connect using the other AP.