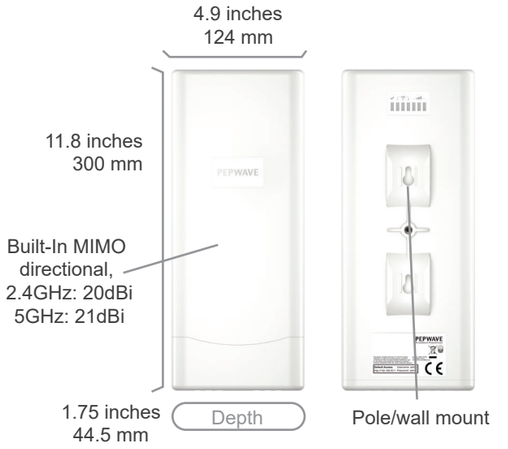
Device Connector IP55

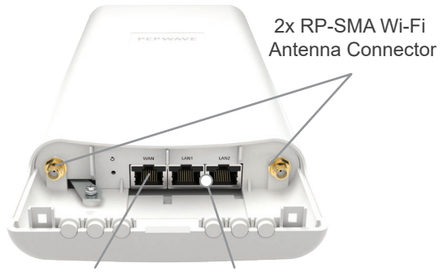
Vendor Neutral Bridge, Long Range Wireless Bridge

Specifications

	Device Connector IP55
Product Code	DCS-GN-IP55
Wi-Fi Interface	802.11ac wave 2/ac/a/b/g/n Wi-Fi WAN and AP
Ethernet Port	3 x GE
Enclosure	IP55 Outdoor Enclosure
Dimension	11.8 x 4.9 x 1.75 inches 300 x 124 x 44.5 mm
Weight	1.15 pounds 520 grams
Power Input	802.3at PoE+ (56V Pepwave Passive PoE Input is Needed for full 1x 802.3at PoE+ LAN Output[#])
Power Consumption	22 W (max.)
Operating Temperature	-40 ° – 131 °F -40 ° – 55 °C
Humidity	15% – 95% (non-condensing)
Certifications	FCC, CE, RoHS
Warranty	1-Year Limited Warranty
Package Content	Device Connector IP55 2 x Plastic Cable Tie

[#] PoE injector available separately.





Ordering Information

Device Connector – Outdoor IP55 Compact

Product Code	Product Name	Description
DCS-GN-IP55	Device Connector IP55	802.11ac wave2/ac/a/b/g/n 1166Mbps layer 2 client bridge in waterproof IP55 outdoor enclosure. Manageable by InControl cloud management.

Accessories for IP55 Models

Product Code	Compatible With	Description
ACW-510	DCS-GN-IP55	Wall/pole mount with flexible ball joint for high-precision installation.
ACW-109	DCS-GN-IP55	1x 56V/2.1A Power Supply and PoE License to Enable 802.3at PoE+ Output

Features

Network
Bridge Mode
Router (NAT) Mode
Support for PPP, Static IP, DHCP

Radio
Multiple SSID
Transmit Power Adjustment

AP Security
Open
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
SNMP v1, v2c and v3

Certification
FCC, CE, RoHS

Device Connector IP55

Vendor Neutral Bridge, Long Range Wireless Bridge

The Device Connector IP55 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.

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 IP55. 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 IP55, you can have both. Simply connect your device to the Ethernet port and the device connector will combine 5GHz and 2HGz into a single reliable connection.

Jumping Between APs?

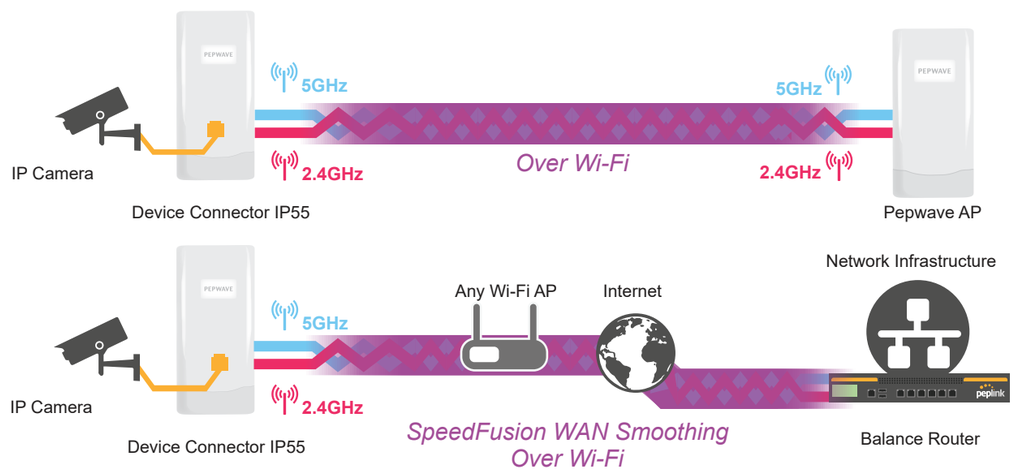
CarFi Fast Roaming. WAN Reliability with Wi-Fi Mobility.

CarFi Fast Roaming, let your Device Connector IP55 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 warehourse stocked, CarFi Fast Roaming keeps everyone communicating at all times.

Compact Super-Duty IP55 Enclosure

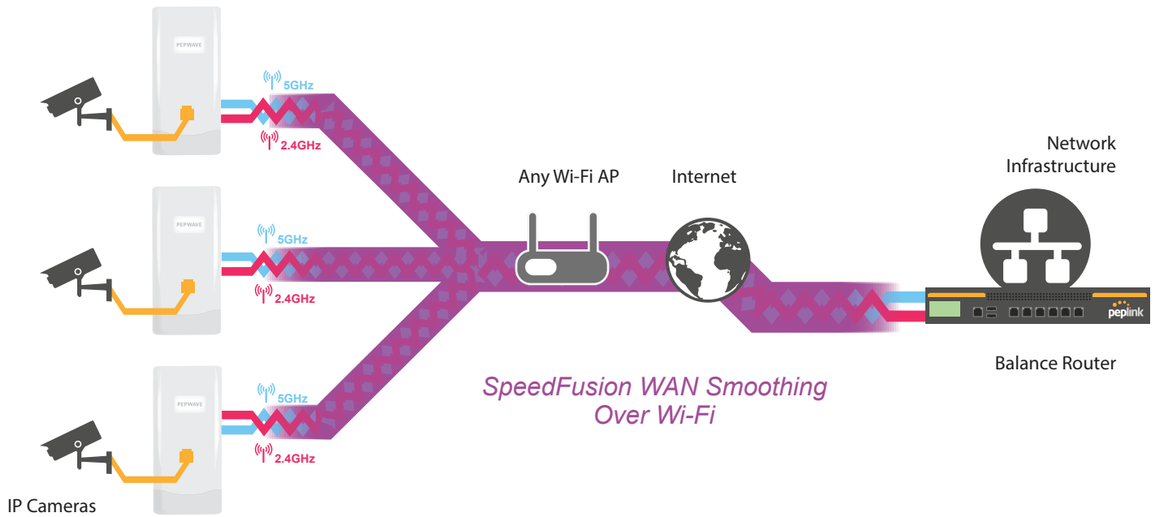
The Device Connector IP55 has a waterproof IP55 enclosure that stands up to dust, vibration, and inclement weather.

Point-to-Point Deployment



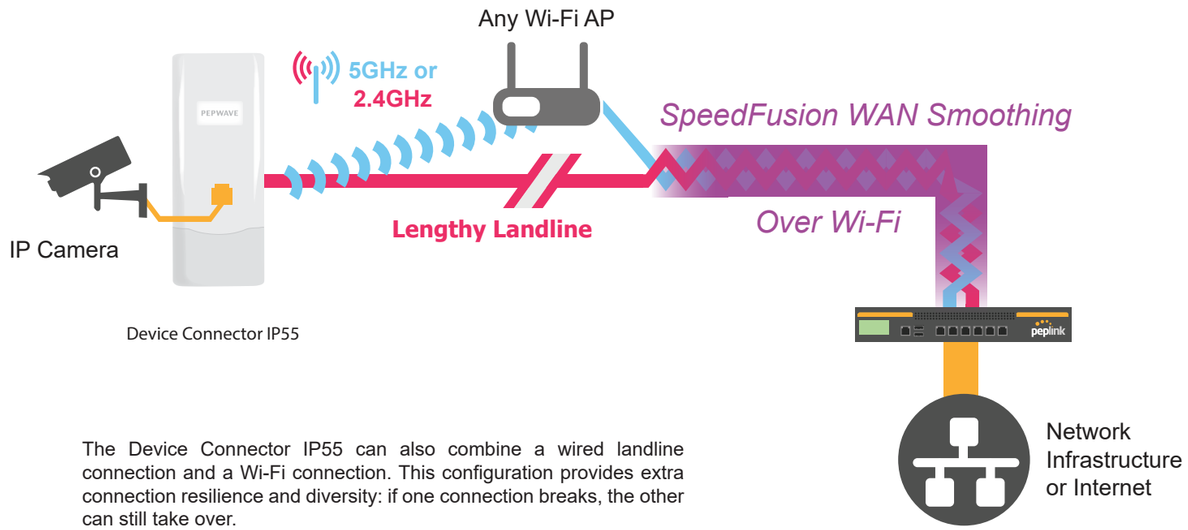
Using the Device Connector IP55, the IP camera is able to upload videos using both the 5GHz and 2.4GHz frequencies at the same time. If one frequency loses connectivity, the other will seamlessly take over. If the network is using an AP from another vendor, frequency combination can also be achieved by forming a SpeedFusion tunnel between the device connector and a SpeedFusion-enabled router.

One Access Point, Multiple Devices



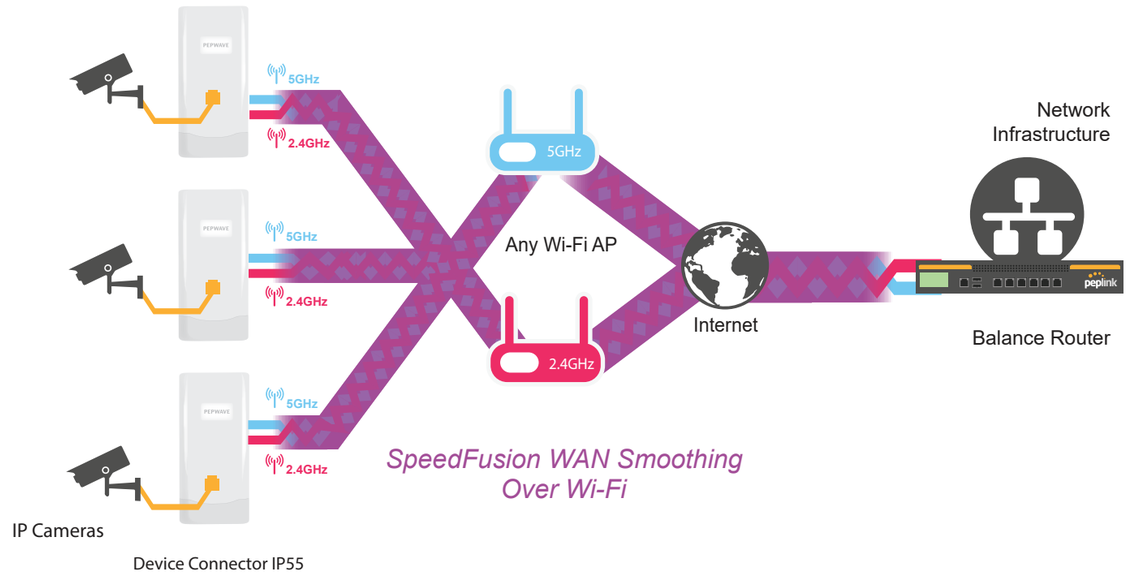
Multiple devices could connect to headquarters using both the 2.4GHz and 5 GHz frequencies coming from a single AP. This is achieved by hooking up a Device Connector IP55 to each device, and then connecting them any AP. Using this configuration, the device connectors will be able to form SpeedFusion connections with the Balance Router located at the network infrastructure, providing the enhanced reliability of combined bandwidth.

SpeedFusion Between Wi-Fi and Landline



The Device Connector IP55 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.

Multiple Devices, Multiple Access Points



Even with each frequency coming from a different AP, the Device Connector IP55 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.