Device Connector
Vendor Neutral, Long Range Wireless Bridge.

PEPWAVE
Broadband Possibilities

wi link

More than a repeater, the Device Connector is a complete wireless network extension solution with advanced TruePower technology that keeps signals clean, clear, and strong from start to finish. And it's compatible with any access point and available in three rugged enclosure styles, so you can just drop it in and go – no network reconfiguration or device upgrades needed.

The Coverage You Need. Made Plug-and-Play Easy.

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, so there's no need to upgrade your gear to get industry-leading Wi-Fi range and performance.

Reliability in Extreme Environments.

The Device Connector is designed and manufactured with the strictest standards. It is rated to operate in almost any environment imaginable. It is just as comfortable working in desert, marine, and arctic environments as it is in the office, making it the ultimate go-anywhere drop-in solution.

CarFi Fast Roaming. WAN Reliability with Wi-Fi Mobility (Add-on Feature. Available Soon.).

CarFi Fast Roaming, available as an optional software upgrade, lets your Device Connector hop from AP to AP in a matter of seconds. Seamlessly. Without dropouts or downtime. Whether you're commanding an emergency situation, coordinating a construction project, or keeping the shelves stocked in a supermarket or warehouse, CarFi Fast Roaming keeps everyone communicating at all times.

TruePower Device Bridging. Strong Signals End-to-End.

The Peplink Device Connector features our TruePower RF technology, which delivers maximum transmission power across all links at even the highest data rates. With TruePower, you get reliable, fast connections at distances that put other radios out of reach.

Three Durable Enclosures. A Device Connector for Every Job.

Whether you work indoors or outdoors, in a clean, quiet office or on a dirty, noisy construction site, there's a Device Connector model built just for you. For indoor applications, there's our rugged metallic enclosure. For medium-duty outdoor installations, such as a factory floor, there's our IP55 high-impact plastic enclosure. And for those jobs that make other equipment run and hide, there's our aircraft-grade aluminum IP67 housing, tough as nails and ready to handle just about anything you or Nature can throw at it.

Applications

Thermostats

Device Connector

Device Connector

AP Pro

POS/vending machine

Public safety/
first responder
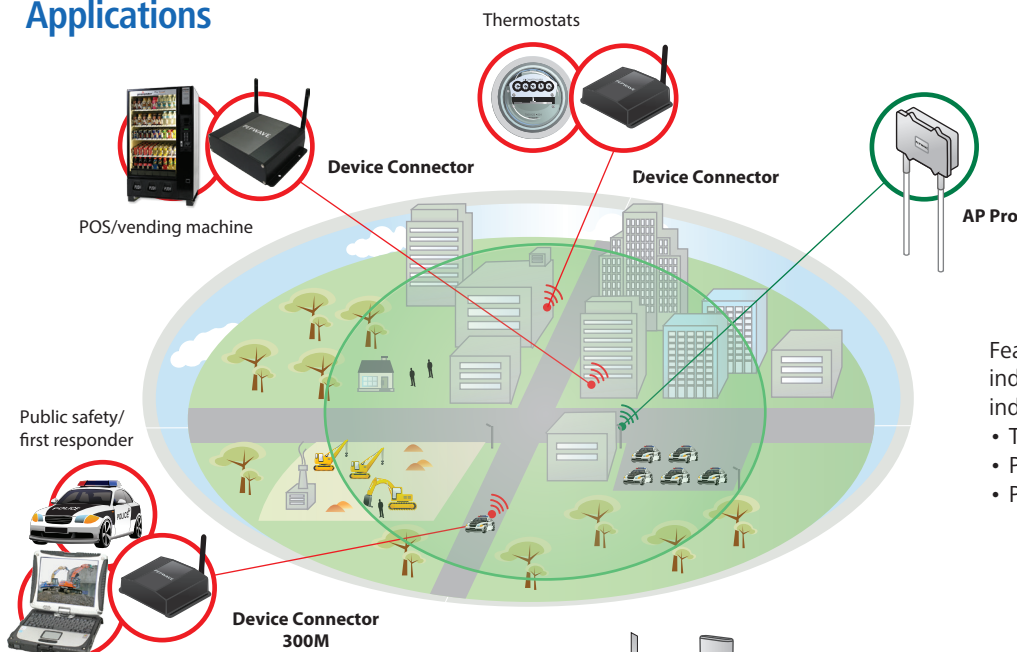
Featuring a compact yet rugged metalic
indoor enclosure, the Device Connector
indoor models are perfect for:
• Thermostats/
• POS/vending machine
• Public safety/first responder

Device Connector
300M

Supervisory control and
data acquisition (SCADA)

Device Connector
IP55

AP Pro

802.3af/
48V Pepwave
passive PoE

Featuring a waterproof yet light-weight
and compact IP55 outdoor enclosure, the
Device Connector IP55 models are perfect for:
• Video surveillance
• Supervisory control and data acquisition (SCADA)
• Traffic control

The Device Connector IP55 models also support
802.3af/48V Pepwave passive PoE output. So you can
power up to two devices including surveillance cameras
and other peripherals on a single power source, reducing
cabling hassles and deployment complexity.

Video
surveillance

Device Connector
600M IP55

Device Connector IP67/
Device Connector 300M IP67

AP Pro

Traffic control

802.3af/48V Pepwave
passive PoE
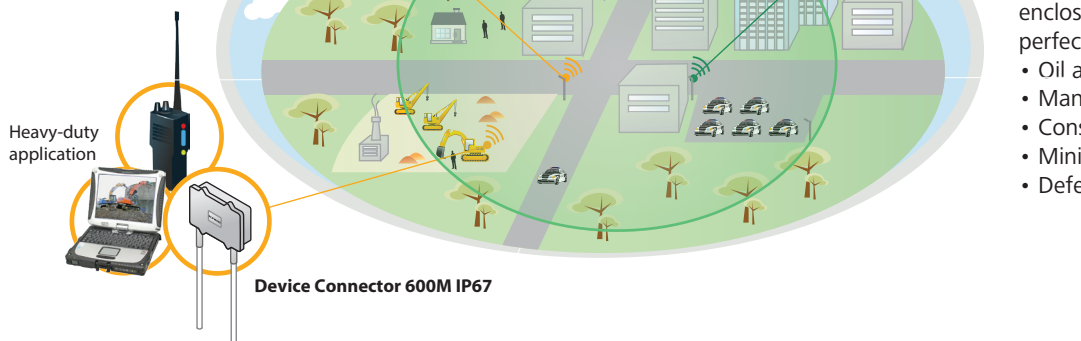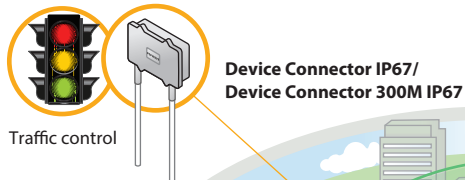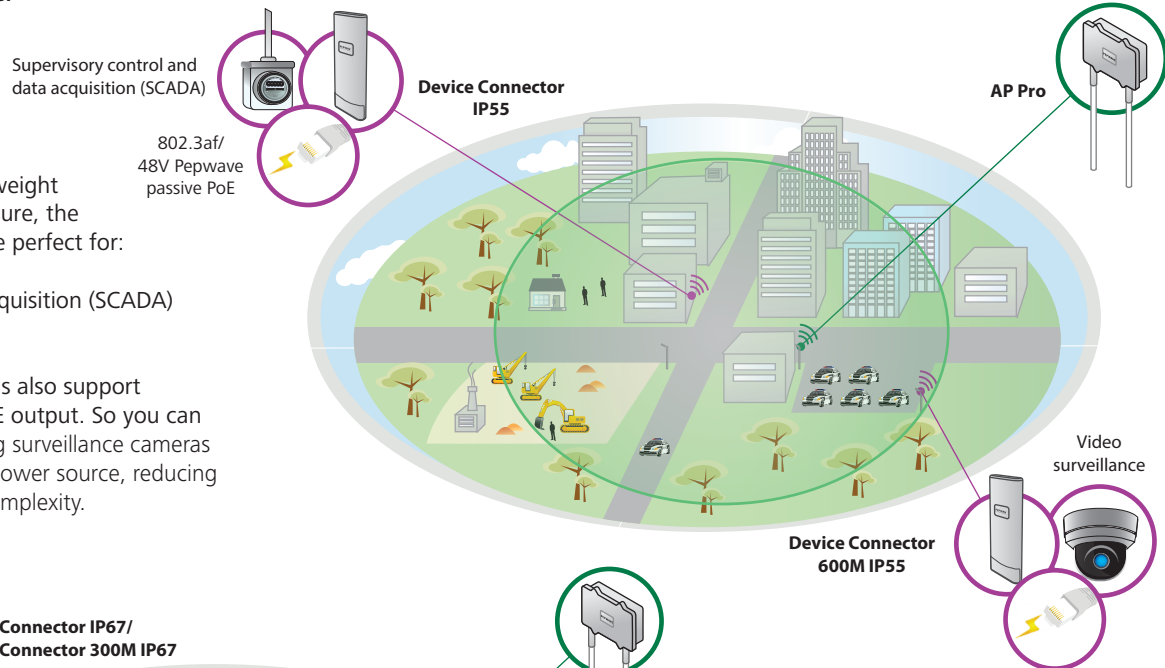
Features a waterproof and dust-tight IP67 outdoor
enclosure, the Device Connector IP67 models are
perfect for:
• Oil and gas
• Manufacturing
• Construction
• Mining and exploration
• Defense

Heavy-duty
application

Device Connector 600M IP67

Features

Network
Bridge Mode
Router (NAT) Mode
Wireless Distribution System (WDS)
Support for PPP, Static IP, DHCP
Management VLAN (802.1p)
Spanning Tree Protocol (802.1d)

Radio
Multiple SSID
Transmit Power Adjustment

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
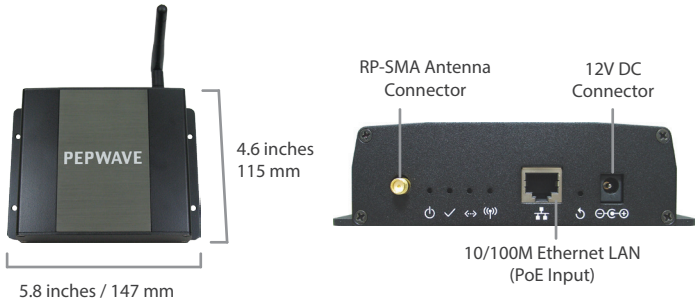
Device Management
Web Administrative Interface
InControl Cloud Management
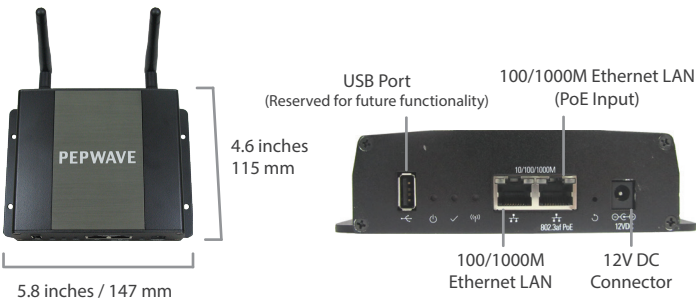FusionHub Controller
SNMP v1, v2c and v3
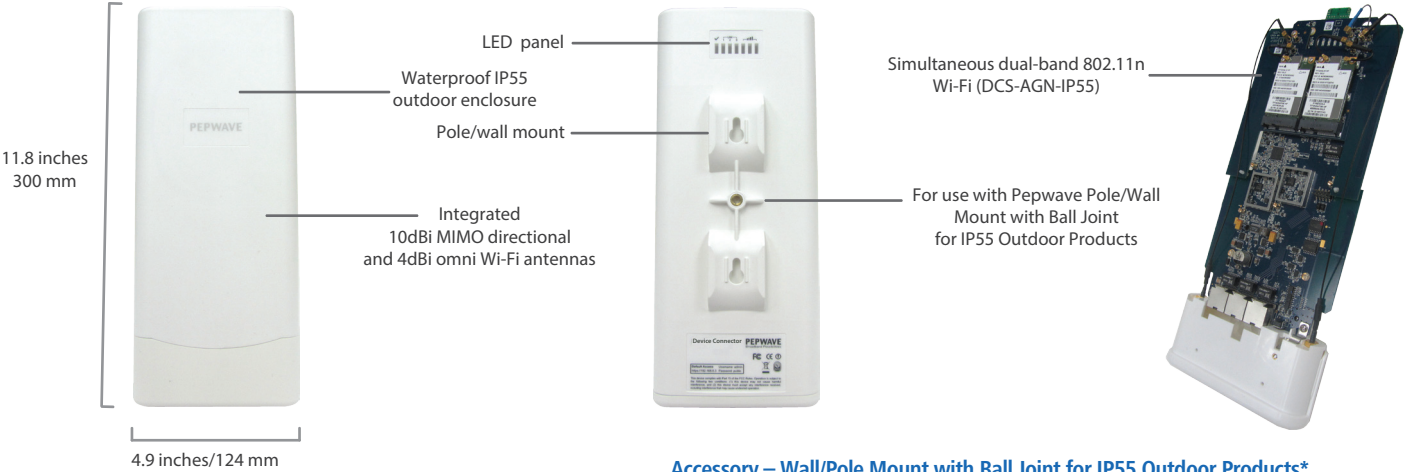
Certification
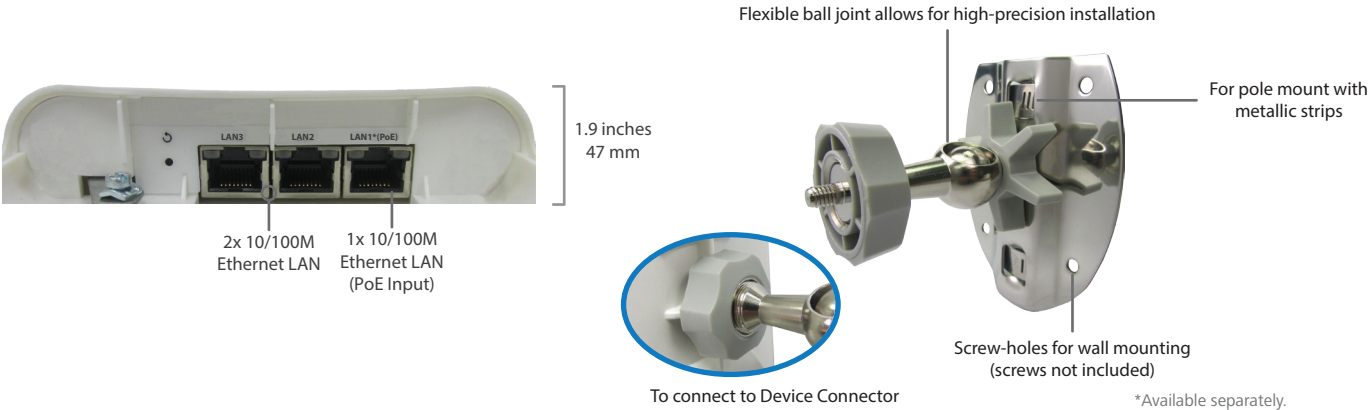FCC, CE, RoHS

Hardware Specifications

Device Connector

4.6 inches
115 mm

5.8 inches / 147 mm

RP-SMA Antenna Connector

12V DC Connector

10/100M Ethernet LAN (PoE Input)

Device Connector 300M

4.6 inches
115 mm

5.8 inches / 147 mm

USB Port
(Reserved for future functionality)

100/1000M Ethernet LAN (PoE Input)

100/1000M Ethernet LAN

12V DC Connector

IP55

Device Connector IP55/
Device Connector 600M IP55

11.8 inches
300 mm

4.9 inches/124 mm

LED panel

Waterproof IP55 outdoor enclosure

Pole/wall mount

Integrated
10dBi MIMO directional
and 4dBi omni Wi-Fi antennas

Simultaneous dual-band 802.11n
Wi-Fi (DCS-AGN-IP55)

For use with Pepwave Pole/Wall
Mount with Ball Joint
for IP55 Outdoor Products

LAN3   LAN2   LAN1*(PoE)

2x 10/100M
Ethernet LAN

1x 10/100M
Ethernet LAN
(PoE Input)

Accessory – Wall/Pole Mount with Ball Joint for IP55 Outdoor Products*

Flexible ball joint allows for high-precision installation

1.9 inches
47 mm

For pole mount with metallic strips

Screw-holes for wall mounting
(screws not included)

To connect to Device Connector

*Available separately.

IP67

9.0 inches
230mm

PEPWAVE
Broadband Possibilities

12.2 inches / 310mm

5GHz Antenna A   5GHz Antenna B

2.4GHz Antenna A   Console   10/100/1000M PoE   2.4GHz Antenna B

2x Female N-Type Wi-Fi Antenna Connectors

Waterproof Air Vent

Device Connector IP67

2.6 inches
66mm

Waterproof Ethernet Port
(PoE Input)

Device Connector 300M IP67

IP67 waterproof and dust-tight
endosure ideal for
outdoor applications

Device Connector 600M IP67

Ground Plate

2x Female N-Type
Wi-Fi Antenna Connectors

Waterproof
Power Connector

Waterproof Ethernet
Console and Ethernet Port
(PoE Input)

Specifications

	Device Connector	Device Connector 300M	Device Connector IP55	Device Connector 600M IP55	Device Connector IP67	Device Connector 300M IP67	Device Connector 600M IP67
Product Code	DCS-GN-EU	DCS-AGN-EU	DCS-GN-IP55-EU	DCS-AGN-IP55-EU	DCS-GN-IP67-EU	DCS-AGN-IP67-EU	DCS-AGN2-IP67-EU
Wi-Fi Interface							
Data Rate	150Mbps	300Mbps	300Mbps	600Mbps	300Mbps	300Mbps	600Mbps
802.11b/g/n Wi-Fi	●	● *	●	● *	●	● *	● *
802.11a/n Wi-Fi	○	● *	○	● *	○	● *	● *
802.11a/n Wi-Fi	2412 - 2472 MHz: 26dBm (FCC) 20dBm (CE)	2412 - 2472 MHz: 17dBm 5180 - 5825 MHz: 17dBm	2412 - 2472 MHz: 26dBm (FCC) 20dBm (CE)	2412 - 2472 MHz: 26dBm (FCC)/20dBm (CE) 5180 - 5825 MHz: 25dBm (FCC)/20dBm (CE)	2412 - 2472 MHz: 26dBm (FCC)/ 20dBm (CE)	2412 - 2472 MHz: 26dBm (FCC) /20dBm (CE) 5180 - 5825 MHz: 25dBm (FCC) /20dBm (CE)	
Build-in Wi-Fi Antenna	○	○	● ^	● ^	○	○	○
Ethernet Interface							
Ethernet Port	1	2	3		1 (GbE)		
Hardware Features							
Enclosure	Indoor Metal		IP55 Outdoor Enclosure		IP67 Outdoor Metal Enclosure		
Dimension	5.8 x 5.0 x 1.6 inches 147 x 128 x 40 mm		11.8 x 4.9 inches 300 x 124 mm		9.0 x 12.2 x 2.6 inches 230 x 310 x 66 mm		
Weight	0.93 pound 420 grams		1.15 pounds 520 grams		5.84 pounds 2.65 kg		
Power Input	12V DC Connector		Pepwave Passive PoE: 12V – 48V DC (48V Pepwave Passive PoE Input is Needed for 802.3af or Pepwave Passive PoE Output)		802.3af PoE		802.3at PoE or 10V - 30V DC Connector
Power Consumption	9W (max.)	12W (max.)	15W (max.)	25W (max.)	13W (max.)		25.5W (max.)
Operating Temperature	-4° – 149°F -20° – 65°C				-40 – 149°F -40 – 65°C		
Power Consumption	15% – 95% (non-condensing)						
Certifications	FCC, CE, RoHS						
Warranty	1-Year Limited Warranty						

* Device Connector 600M IP55 and Device Connector 600M IP67 support 802.11b/g/n and 802.11a/n Wi-Fi simultaneously. Device Connector 300M and Device Connector 300M IP67 support only one of 802.11b/g/n and 802.11a/n Wi-Fi at a time. ^ Device Connector IP55 and Device Connector 600M IP55 feature built-in switchable, integrated 10dBi MIMO directional (75° horizontal x 35° vertical beamwidths) and 4dBi MIMO omni antennas.

Product Ordering Information

Device Connector – Indoor Rugged

Product Code	Product Name	Description
DCS-GN-EU	Device Connector	802.11b/g/n 150Mbps layer 2 client bridge in metallic indoor enclosure. Manageable by InControl cloud management.
DCS-AGN-EU	Device Connector 300M	802.11b/g/n or a/n 300Mbps layer 2 client bridge in metallic indoor enclosure. Manageable by InControl cloud management.

Device Connector – Outdoor IP55 Compact

IP55

Product Code	Product Name	Description
DCS-GN-IP55-EU	Device Connector IP55	802.11b/g/n 300Mbps layer 2 client bridge in waterproof IP55 outdoor enclosure. Manageable by InControl cloud management.
DCS-AGN-IP55-EU	Device Connector 600M IP55	802.11b/g/n and a/n 600Mbps layer 2 client bridge in waterproof IP55 outdoor enclosure. Manageable by InControl cloud management.

PoE Kit for IP55 Models

Product Code	Compatible With	Description
ACW-109	DCS-GN-IP55 and DCS-AGN-IP55	Include 48V Pepwave Passive PoE Injector and PoE license. Enable 802.3af/48V Pepwave passive PoE output.

Mounting Accessory for IP55 Models

Product Code	Compatible With	Description
ACW-510	DCS-GN-IP55 and DCS-AGN-IP55	Wall/pole mount with flexible ball joint for high-precision installation.

Device Connector – Outdoor IP67 Heavy Duty

IP67

Product Code	Product Name	Description
DCS-GN-IP67-EU	Device Connector IP67	802.11b/g/n 300Mbps layer 2 client bridge in metalic waterproof and dust-tight IP67 outdoor enclosure. Manageable by InControl cloud management.
DCS-AGN-IP67-EU	Device Connector 300M IP67	802.11b/g/n or a/n 300Mbps layer 2 client bridge in metalic waterproof and dust-tight IP67 outdoor enclosure. Manageable by InControl cloud management.
DCS-AGN2-IP67-EU	Device Connector 600M IP67	802.11b/g/n and a/n 600Mbps layer 2 client bridge in metalic waterproof and dust-tight IP67 outdoor enclosure. Manageable by InControl cloud management.

Antenna Kit for IP67 Models

Product Code	Compatible With	Description
ACW-823	DCS-GN-IP67 and DCS-AGN-IP67	Package includes 2x 2.4GHz 8dBi fiberglass outdoor omni antennas.
ACW-824	DCS-AGN-IP67	Package includes 2x 5GHz 8dBi fiberglass outdoor omni antennas.
ACW-825	DCS-AGN2-IP67	Package includes 2x 2.4GHz and 2x 5GHz 8dBi fiberglass outdoor omni antennas.

PoE Injector for IP67 Models

Product Code	Product Name	Description
ACW-107	DCS-GN-IP67, DCS-AGN-IP67 and DCS-AGN2-IP67	Includes 1x 802.3af/at PoE injector.