

## Pepwave TrainFi

### Features



#### Always-on Internet Enabling New Applications

TrainFi easily delivers services such as voice, video, and data, and provides an excellent platform for development of advanced applications. TrainFi's advanced software algorithms give it the performance required for high speed environments, without the high cost of other mobile solutions. This allows for a mobile workforce, advanced real-time information systems, and expanded public Wi-Fi access.

#### Ultra-fast Roaming

The Pepwave TrainFi is capable of roaming between access points in precise time, which avoids disruptive gaps in Wi-Fi signal strength on a fast moving train. It maintains Wi-Fi network continuity without re-configuration, and ensures adequate bandwidth and consistency for multimedia content over Wi-Fi networks.

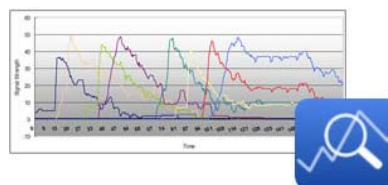


#### 1+1 Backup (High Availability) Support

Two Pepwave TrainFi devices can be deployed in an active-standby configuration to guarantee maximum service uptime.

#### Profiling

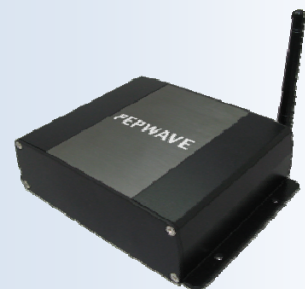
Users can trace the wireless environment and trend the signal strength readings during high speed movement for analysis.



### TrainFi Series

Pepwave TrainFi, housed in a ruggedized enclosure, is a purpose-built Wi-Fi modem for trains and other high speed, mass transportation systems. With its advanced algorithms, it is able to provide a stable Wi-Fi connection in a moving vehicle at speed up to 75 miles/h.

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## Applications

### Digital Content and Video Streaming



TrainFi makes it easy to send video, audio and other digital content to moving vehicles. You no longer have to rely on on-board storage devices or stale content libraries. Keeping your content fresh has never been this easy or inexpensive.




### Video Surveillance

Security is a major concern in today's world. TrainFi has advanced roaming precision so that you can stream video feeds from inside the train over a Wi-Fi network. TrainFi is standards based, so you can utilize existing infrastructure and keep your costs low.

## Specifications

Model	TrainFi 400	TrainFi 205
Product Code	OPW-400	OPW-207
	<b>Functionality</b>	
Wi-Fi Receiver Mode	 Bridge Mode	 Bridge Mode
	<b>Wi-Fi Specification</b>	<b>Wi-Fi Specification</b>
WAN	802.11 b/g	802.11 a
LAN	1 Fast Ethernet Port	1 Fast Ethernet Port
Operating Frequency	2412-2462Mhz	5180-5825Mhz
Transmit Power 802.11b	400mW 26dBm@1Mbps 26dBm@2Mbps 26dBm@5.5Mbps 26dBm@11Mbps (+/- 1.0dB)	Transmit Power 802.11a
	26dBm@6Mbps 26dBm@9Mbps 26dBm@12Mbps 26dBm@18Mbps 26dBm@24Mbps 24dBm@36Mbps 22dBm@48Mbps 21dBm@54Mbps (+/- 1.0dB)	
Transmit Power 802.11g OFDM		5.18~5.24GHz 17dBm@6~36Mbps 16dBm@48Mbps 15dBm@54Mbps 5.26~5.32 GHz
		20dBm@6~24Mbps 18dBm@36Mbps 16dBm@48Mbps 15dBm@54Mbps 5.745~5.825GHz
Receive Sensitivity 802.11b	-97dBm@1Mbps -96dBm@2Mbps -95dBm@5.5Mbps -93dBm@11Mbps (+/- 1.0dB)	Receive Sensitivity 802.11a
	-94dBm@6Mbps -93dBm@9Mbps -91dBm@12Mbps -90dBm@18Mbps -87dBm@24Mbps -83dBm@36Mbps -77dBm@48Mbps -75dBm@54Mbps (+/- 1.0dB)	
Receive Sensitivity 802.11g OFDM		18dBm@6~24Mbps 16dBm@36Mbps 14dBm@48Mbps 13dBm@54Mbps (+/- 1.0dB)
		-88dBm@6Mbps -70dBm@54Mbps (+/- 1.0dB)
Security	Open, 64/128-bit WEP	

Model	TrainFi 400	TrainFi 205
	<b>Hardware</b>	
<b>Antenna</b>	Not Included	
<b>Antenna Connector</b>	RP-SMA Connector	RP-TNC Connector
<b>Enclosure</b>		
	Ruggedized Metal Enclosure	
<b>Dimensions</b>	127.1W x 107.4D x 32.1H mm. 5.0W x 4.2D x 1.3H in.	
<b>Weight</b>	330 g. 0.7 lb.	
	<b>Operational Specifications</b>	
<b>Power Consumption (Max.)</b>	7W	5W
<b>Power Input</b>	AC Adapter: AC Input 100 to 240V, DC Output 5V	
<b>Operating Temperature</b>	-20 - 65°C	
<b>Humidity</b>	-4 - 149°F	
	15 to 95%	
	<b>Misc.</b>	
<b>Certifications</b>	CE, FCC, RoHS	
<b>Warranty</b>	One-Year Limited Warranty	

## About Pepwave

Pepwave is the proven market leader in delivering specialized wireless solutions for industrial networking, wireless mobility, service providers, and professional hotspots. As an innovator of wireless technology solutions, Pepwave operates globally in cooperation with distributors, system integrators, ODM partners, and strategic alliances.

## Contact Us

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### Business Development and Partnerships

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