



SIMPLE-TO-USE, READY-TO-GO ETHERNET TO ENTERPRISE WI-FI BRIDGING MODULE

The Lantronix **PremierWave GG2050** Bridging Module is the first in our family of high performance application-specific networking modules that provides Wi-Fi connectivity for Ethernet-based devices. PremierWave GG2050 is fully certified and offers dual-band Enterprise IEEE 802.11 ac Wi-Fi connectivity.

The PremierWave GG2050 provides design engineers and system architects who need to be able to easily integrate a robust Certified module with interoperable Wi-Fi connectivity into their long-term availability products. As a small form factor SMT module, PremierWave GG250 confidently meets these expectations. To get started, simply connect the Ethernet interface and provide power regulation. Device and Wi-Fi network parameter configuration can be managed via the browser based UI or WebAPI, accessed directly via the included Soft Access Point or the connected Enterprise network.

- Powerful platform with high performance 32-bit Processor
- SMT form factor measuring 45mm x 44mm
- Comprehensive Certification for world wide deployment
- Single 10/100 Ethernet Interface, USB with integrated PHY
- IEEE 802.11 ac 2.4 GHz and 5 GHz
- WPA2 (Enterprise)
- Simultaneous Soft Access Point and Client
- U.FL Antenna and on-module antenna options
- Low power consumption modes*
- Security and authentication protocols including FIPS 140-2*
- Includes full TCP/IP stack and web server
- Lantronix Hardened Advanced Applications Suite
- Web-based Configuration Manager
- Integrated Bluetooth LE *
- Support for NFC*



PremierWave GG2050 Advantages

- Mitigates regulatory risks
- Reduces “time-to-confidence” with production ready software and optimized hardware
- Ease of integration, manufacturability, deployment and support for your Wi-Fi enabled product
- Leverages advanced wireless connection management capabilities
- Lowers your overall total cost of ownership across your product life cycle
- Supports long-term designs without concern for availability and technology obsolescence

LANTRONIX[®]
CONNECT SMART. DO MORE.

Robust Bridging

The Lantronix PremierWave GG2050 is the first in a family of single wired Ethernet hosts connected to the bridging module, which are designed to be robust from both deployment and security perspectives. It is ideally suited for IoT applications for a wide variety of industries. The device ensures that the connected Ethernet device is visible on the enterprise network, using a simple, Lantronix field-proven configuration. PremierWave GG2050 has the ability to specify the MAC address of the single Ethernet Host to use and prevent traffic from other MAC devices, thereby ensuring performance and security.

Best-in-Class Enterprise Wi-Fi

Supporting a wide range of Wi-Fi protocols and capabilities, the Lantronix PremierWave GG2050 provides a comprehensive and flexible framework in how to best use and configure a wireless network. Leveraging the ubiquity of IEEE 802.11 network devices, PremierWave GG2050 provides smart connectivity to a wide range of end devices. With higher speeds over longer distances, lower power and less interference with other devices, incorporating IEEE 802.11ac allows you to future proof your wireless connectivity in enterprise deployments.

Bulletproof Security

With an unmatched portfolio of security technologies, PremierWave GG2050 goes far beyond compliance as it ensures data integrity and privacy for highly sensitive applications such as financial and medical applications.

- WPA2 (Enterprise)
- End-to-end SSL /TLS tunneling
- FIPS 140-2

Web Server Technologies

Featuring Linux, PremierWave GG2050 integrated CGI-capable web server transforms a standalone device into a networked product that can be managed remotely via a standard web browser. CGI capability enables users to remotely monitor and collect information from the device in real-time and send the information to dynamic web pages.

Flexible & Intelligent Design

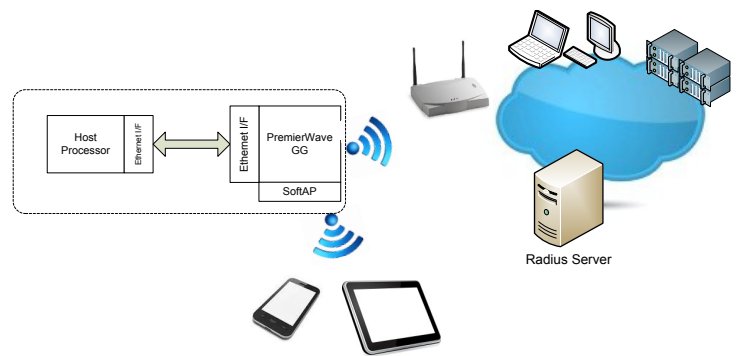
PremierWave GG2050 is the ideal solution for developers and architects that need to have a simple to use and virtually ready to go platform that offloads all the network headaches that provides the performance and features and capabilities they need.

Certified for Immediate Deployment

Certified by a comprehensive set of regulatory and homologation agencies. The Lantronix PremierWave GG2050 provides the confidence needed to deploy your product around the world.

Lantronix PremierWave GG Key Features

- Architecture: 32-bit processor high performance processor with Linux
- Ethernet 10/100 interface
- IEEE 802.11 ac dual band, SoftAP
- Wireless Suite; QuickConnect, Connection Manager
- Enterprise Security
- Ethernet to Wi-Fi Bridging
- Management, Configuration and Encryption suite
- SNMP
- SSL/TL, HTTPS
- Integrated Bluetooth LE



Ordering Information

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> Part Number > Description

PWGG2051000B	Ethernet to Wi-Fi Bridge, SMT , external antenna only, BULK
PWGG2052000B	Ethernet to Wi-Fi Bridge, SMT , On Module antenna option, BULK
PWGG2051000K	Evaluation Kit with Ethernet to Wi-Fi Bridge, SMT , with external antenna only
PWGG2052000K	Evaluation Kit with Ethernet to Wi-Fi Bridge, SMT , with On module antenna

For more information or to buy online refer to our website



<http://www.lantronix.com>