Quantenna

Spartan 5XL

Wi-Fi 6 DBDC Mesh Wi-Fi

AX6000 5x5 + 2x2 MIMO

Overview

Spartan 5XL design allows Equipment Manufacturers and Service providers to address multiple end customer needs with a single compact product for multiple applications:

- Wi-Fi 6 Mesh for Smart Multi-AP network
- Simple Extender to complement and upgrade your existing Gateway's wireless LAN
- Universal Repeater for extension of your existing wireless network

Extender

Repeater

Mesh Nodes

Quantenna introduced a comprehensive list of features in Spartan 5XL to address these use cases. This eliminates the need for lengthy customization and feature developments by equipment manufacturers and software integrators.

Spartan 5XL reduces the development cycle and time to market. Quantenna in-house design guarantees an optimal product performance.

Spartan 5XL includes:

- SONiQ Software or WFA EasyMesh™ MAPiQ Application for Mesh networks
- Ready-to-use Graphical User Interface
- Pre-integrated TR-069 Agent for Remote Management and Firmware Upgrade
- Quantenna Qdock software platform enabling innovative optional services such as motion detection

> Quantenna 5x5 11ax offers superior Wi-Fi range and capacity, in particular unique MU-MIMO performance. This means more devices supported, with less Access Points than other Mesh solutions.
>
> Quantenna Spartan Design Files are available under license to ODM and CM who wish to industrialize the product.
>
> Please contact your Quantenna Sales representative for more information and access to Spartan 5XL Reference Design Kit.

Wi-Fi 5GHz Interface

- 5GHz 802.11ax 5x5: 5 Spatial Streams
- 40/80/160MHz
- MU-MIMO

Wi-Fi 2.4GHz Interface

- 2.4GHz 802.11n 2x2: 2 Spatial Streams
- 20 / 40 MHz

Wireless Features

- 802.11a/b/g/n/ac/ax
- WPA2/WPA3
- 802.11e QoS
- 802.11h DFS and TPC
- 802.11k Radio Resource Management
- 802.11v Wireless Network Management
- 802.11w Protected Management Frames

Physical Interfaces

- 1 RJ-45 Gigabit Ethernet
- 1RJ-45 2.5Gigabit Ethernet
- 1 push button for WPS association
- 1 LED 3 colors
- 1 reset pinhole button
- 1 power on/off switch

Management

- TR-069 Agent / TR-181 Data model
- Local Secure GUI

Quantenna SmartScan

- Smart Channel Selection
- Zero Wait DFS and Aways-on DFS

SONiQ Software for Mesh Wi-Fi

- Automated Role Determination: Extender/ Repeater
- Configuration propagation to all AP belonging to Mesh network
- Client Steering (multiband and multi-AP) for wireless performance enhancement
- Supports Wi-Fi Alliance Agile Multiband™

Wi-Fi Alliance EasyMesh™ MAPiQ

- WFA MAP controller & agent

Regulatory

Designed for CE and FCC compliance

Operating Conditions

- Operating Temperature: 0º to 40ºC
- Storage Temperature: - 40º to 60ºC
- Relative Humidity: 10% to 95%

Product Dimensions

W: 85mm x D: 100mm x H: 160mm

Contact us

1704 Automation Parkway
San Jose, CA 95131 USA
sales-na@quantenna.com
www.quantenna.com