Xirrus Wi-Fi Designer™

Xirrus Wi-Fi Designer

The Xirrus Wi-Fi Designer is the ultimate 802.11 wireless site survey solution specifically architected to understand the multi-radio architecture of Xirrus Wireless Arrays.

Wi-Fi Designer is offered in two forms:

- A cloud based predictive planning tool that can be used from most common browsers
- A Windows based application

Wi-Fi Designer Cloud allows for predictive surveys in the very early stages of a project, to get a good estimate of the location and number of Xirrus Arrays as well as coverage and capacity. It is accessible from the Xirrus website, and supports most common browsers. All surveys created using the tool are stored in the cloud and easily accessible at any time through a convenient user account.

The Windows based application enables network architects to use predictive analysis and active site surveys to plan a best-fit wireless network strategy to minimize infrastructure requirements while maximizing coverage and capacity. Once the Xirrus Wireless Arrays are implemented the Xirrus Wi-Fi Designer can verify the results of implementation and ensure that design criteria has been met.

At A Glance

- Predictive surveys help to plan a Wi-Fi network strategy with the optimal number of Xirrus Wireless Arrays and their recommended placement
- Quickly complete Active Surveys onsite with Xirrus Wireless Arrays taking real-time measurements to qualify the design for the Xirrus implementation guarantee
- Model different site conditions, Array configurations and positioning options to visualize impact to RF coverage and capacity
- Validate post-installation capacity and coverage against the initial plan to ensure a successful deployment

XIRRUS WI-FI DESIGNER

Plan & verify that the Wi-Fi network meets design criteria

XIRRUS WI-FI DESIGNER CLOUD

Design and Plan a Wi-Fi network deployment before getting on site
Active Surveys
Position Xirrus Wireless Arrays throughout a facility and take real time measurements to determine a best-fit plan for meeting design criteria by determining the number and location for Arrays.

- Obtain Radio Signal Strength Indicator (RSSI) measurements to build a comprehensive heat map of coverage and capacity through a live survey by moving to locations throughout the facility and clicking on the corresponding floor plan location.
- Determine if the Array meets the design criteria and make adjustments as needed to ensure proper fit.
- Design for the Xirrus Implementation Guarantee ensuring the proper signal level at all locations to be covered.

Predictive Surveys
Combining facility floor plans, environmental characteristics, design goals and an understanding of Xirrus Wireless Array capabilities, predictively determine the best-fit Wi-Fi deployment strategy.

- Predictively determine the optimal number and placement of Xirrus Wireless Arrays.
- Move and change configurations of Wireless Arrays to determine best placement for optimal coverage.
- Account for a variety of site specific conditions to model environment and estimate RF coverage.
- Simulate multiple Array models and configurations with what-if analysis to determine best-fit alternatives.

Verification Surveys
Verify achievement of design goals post Wi-Fi network installation by capturing detailed data points throughout the facility.

- Obtain RSSI measurements including SSID and channel related information across the entire site to help ensure Wi-Fi network strategy success.
- Simplify project success reporting by exporting coverage heat map into a self contained document or embeddable graphic.
- Evaluate Xirrus implementation guarantee by verifying achievement of design criteria at all locations to be covered.

Surveying Simplified
Improve accuracy and simplify the surveying process by pre-configuring the application with the design criteria and desired coverage model including the number of required 802.11 radios (2.4GHz) and 802.11 radios (5GHz). The Xirrus Wi-Fi Designer (Windows version) provides easy to understand graphical feedback instantly to the surveyor if the proper number of radios in the appropriate band are providing proper signal levels. With Wi-Fi Designer surveyors know instantly if a measured datapoint passes or fails the specified criteria.
### Xirrus Wi-Fi Designer System Requirements

<table>
<thead>
<tr>
<th>ITEM</th>
<th>SPECIFICATION</th>
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<tbody>
<tr>
<td><strong>Windows Version</strong></td>
<td></td>
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<tr>
<td>Hardware</td>
<td>PC compatible laptop with minimum processor speed of 1GHz with at least 1 GB (32-bit) or 2 GB (64-bit) RAM and 16 GB available hard disk space (32-bit) or 20 GB (64-bit)</td>
</tr>
<tr>
<td>Operating System</td>
<td>32- or 64-bit Microsoft Windows 7</td>
</tr>
<tr>
<td>Graphics Card</td>
<td>DirectX 9- compatible graphics device with WDDM 1.0 or later revision driver</td>
</tr>
<tr>
<td>Wireless Networking</td>
<td>Active Surveys &amp; Validation Surveys require ORiNOCO Proxim 8494 802.11a/b/g/n USB Wi-Fi adapter (Model 8494 WD) with Xirrus device driver installed</td>
</tr>
<tr>
<td>Xirrus Wireless Arrays</td>
<td>Active Surveys &amp; Validation Surveys require one or more Xirrus Wi-Fi Arrays, set up with all radios turned on at maximum signal strength</td>
</tr>
<tr>
<td></td>
<td>(Recommended) A tall tripod for each Array, to allow placement of the Array at trial deployment locations</td>
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<tr>
<td><strong>Cloud Version</strong></td>
<td></td>
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<tr>
<td>Browsers</td>
<td>Internet Explorer ver. 9 and 10. Mozilla Firefox ver. 20 and 21. Google Chrome ver. 26 and 27</td>
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<tr>
<td>Operating System</td>
<td>It is OS independent, but, has been tested with Windows 7, Windows 8, Mac OS</td>
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### Ordering Information

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>XWD-2000-SURVEY</td>
<td>Xirrus Wi-Fi Designer Site Survey software</td>
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### Support & Maintenance

Xirrus is committed to the success of our customers and provides warranties and support options to best fit your needs. For further information on the Xirrus hardware warranties, software support and premium support offerings visit:


### About Xirrus

To organizations who depend on wireless access to transform their business, Xirrus is the wireless network solution provider that provides the world's most powerful, scalable, and trusted solutions. Through product invention and system design, commitment to customer success, and the industry's best price performance, Xirrus gives you confidence that your wireless network performs under even the most demanding circumstances. Xirrus is a privately held company headquartered in Thousand Oaks, CA.