

WIRELESS STRUCTURED CABLING SYSTEMS (SCS) MARKET

Wireless Local Area Networks (WLANs) latest growth market for SCS

This new report answers the following questions about this evolving market:

- How many WAPs (Wireless Access Points) are being installed in each year during the next 5 years?
- How large is the Wireless SCS market this year — in 5 years?
- How much of the Wireless SCS market will be UTP or fiber cabling?
- What are the cabling systems architectures used in WLANs?
- What are the latest technology trends: WiMAX vs. WiFi, IEEE802.11n impact, others?

Here is an excerpt from the Executive Summary:

“WIRELESS: LATEST SCS APPLICATION

Some industry pundits believe that wireless networks will eventually displace all physically structured cabling system networks. We believe that not only will this not happen, but that wireless will provide an incremental opportunity for structured cabling systems. Generally, there is no improved functional, performance or economic advantage that wireless networks provide over physically cabled networks.

Cubicles will always contain communications workstation physical connectivity, as part of the building’s infrastructure, just as the electrical infrastructure is provided. On an exception basis, in conditions such as overcrowded cabling ducts in large skyscrapers, new applications needing access to the network may have to resort to a wireless network. In addition, wireless networks could become commonplace in conference rooms or boardrooms, providing portable device access to the network. Both of these are exceptions to the larger market of physical cabling to the fixed workstation areas using structured cabling systems. Even in new office construction, it is expected that physical cabling systems will be deployed for the majority of the network users.

As a result, wireless will typically be added to an existing network. This will still require physical cabling from the wireless access points (WAPs) to the telecommunications closets. Cabling standards for these wireless applications have recently been released by the TIA/EIA. We view the addition of wireless applications for adding an IP subnet to the existing enterprise’s network to be the same as VOIP or video over IP being added to the IP subnets to the enterprise’s networks. In this study we examine and analyze this new structured cabling system opportunity. This includes five-year forecasts for all of the cable and apparatus connectivity devices, both UTP copper and fiber, needed for wireless applications.”

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