



InnerWireless. First to deliver the benefits of facility-wide Philips WMTS.

What are the advantages of delivering Philips IntelliVue Smart-hopping wireless medical telemetry over the InnerWireless Horizon™ Converged Wireless DAS?

The InnerWireless Converged Wireless DAS is an indoor broadband wireless platform that can deliver virtually any wireless service from 450 MHz to 6 GHz, reducing the need to install and maintain multiple, single-purpose wireless networks.

Engineered for whole-house coverage and capacity of key wireless services, Horizon supports 3G cellular, 802.11 a/b/g/n Wi-Fi, fire/life/safety, two-way radio, and paging. When Philips IntelliVue Smart-hopping telemetry is added, it takes on the same characteristics – coverage across the entire facility – guaranteed. Hospital advantages include:

- More efficient use of patient room and staff assets
- Enhanced patient mobility
- Improved patient safety during intra-hospital transport
- Off-floor patient monitoring during diagnostic procedures

How long have InnerWireless and Philips offered a combined DAS/WMTS solution?

InnerWireless and Philips Medical have a long track record of working closely together. Establishing an industry-first combined DAS and WMTS solution, the first InnerWireless Horizon with the IntelliVue 1.4 GHz Telemetry system was installed and achieved **FDA 510K approval in 2006 at HealthAlliance Hospital in Leominster, Massachusetts.** Today, InnerWireless and Philips Medical have deployed approximately 3 million square feet of facility-wide WMTS on DAS.

With the success that InnerWireless and Philips Medical have had, the two companies have expanded the relationship and have recently announced compatibility of Philips IntelliVue 2.4 GHz Telemetry with Smart-hopping with the InnerWireless Horizon system. InnerWireless and Philips will continue to evolve our relationship to ensure compatibility between our product offerings.

How do InnerWireless and Philips design and install a Philips WMTS-ready, Horizon Converged Wireless DAS?

InnerWireless manufactures, designs, and installs every Horizon system – InnerWireless is not a VAR – and therefore can ensure compatibility between the Philips and InnerWireless systems, provide unique guarantees on a Horizon deployment, and provide an industry-leading 5-year warranty. The InnerWireless deployment process is both fully documented and process driven to ensure highly successful deployments.

This process naturally contains multiple touch points for customer approval, and also for Philips input and review. InnerWireless and Philips maintain a joint deployment guide where InnerWireless Sales Engineers and Project Managers work with Philips' Solution Design Consultants (SDC) to ensure 100% guaranteed WMTS coverage at the Philips' required signal strength and the desired capacity for the number of deployed Patient Worn Devices.

Does the InnerWireless DAS design require any additional electronics when provisioned for Philips WMTS?

No. InnerWireless uses multiple antennas on Horizon for each WMTS access point to ensure both 100% coverage and antenna diversity (typically 4-8 broadband antennas with multiple antennas connected to each access point to achieve RF diversity). The antennas along with the physical connectors used to inject the WMTS signal onto the DAS are passive components engineered by InnerWireless. These passive components have no electronics, PCBs or software and carry a mean time between failure (MTBF) of >30 years. Once engineered and installed, Horizon virtually eliminates the need for ceiling access/infection control procedures associated with typical wireless service & maintenance.

How does InnerWireless implement Philips' newest IntelliVue 2.4 GHz Smart-hopping solution, allowing it to coexist with 2.4 GHz Wi-Fi?

Like Horizon's support of Philips' IntelliVue 1.4 GHz solution, Horizon supports all of the features and capabilities of the IntelliVue 2.4 GHz solution, including Smart-hopping, device location, and compatibility with the end-to-end QoS-enabled IntelliVue Clinical Wired/Wireless Network. In addition, Horizon delivers dedicated frequency spectrum for telemetry and monitoring at both 1.4 GHz and at 2.4 GHz.

Horizon's novel Wi-Fi delivery capabilities, called Layered WLAN, provide a consistent user experience across a host of wireless applications from mobile computing to wireless voice handsets to smart pumps and patient worn telemetry devices. Horizon supports up to six (6) simultaneous WLANs whereby each WLAN is independently tailored for a specific application/protocol that optimizes capacity – both throughput and number of clients. In the 2.4 GHz wireless spectrum, Horizon provides dedicated frequencies (i.e. clear channels) for Philips IntelliVue within the Layered WLANs.

What is the support call process for InnerWireless/Philips customers when reporting/troubleshooting a WMTS issue?

Philips is the single point of contact and provides Tier 1 support for all WMTS issues. Using Philips' standard support procedures for reporting/troubleshooting, Philips will engage InnerWireless as necessary for resolution of wireless-related issues.

To learn more about the many benefits of InnerWireless' Converged Wireless Platform, please visit www.innerwireless.com, or call 214.242.7777.