

flo™ 7.4 wireless access point system



Connect with patients – and to their information – using the widest wireless coverage area possible, with the Flo 7.4 Wireless Access Point System. Ceiling mounted for easy maintenance. Attractive, white, enamel-finish enclosure blends into ceiling tiles. Enclosed steel surroundings secure equipment. From the bedside, across different departments and critical care units and back again, the Flo 7.4 keeps clinicians, IT staff, and hospital administrators connected to all aspects of patient care, making users' lives a little easier.

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More than ever, hospital administrators/facilities managers, IT staff, and clinicians are under pressure to deliver high quality care, comply with multiplying regulations, and increase efficiency without compromising the highest standards in patient safety. It is no wonder that hospitals of all sizes are looking to wireless solutions to provide real-time information at the point of care. That's why Flo Healthcare has

designed a complete wireless local area network (LAN) solution to help hospitals provide quality point-of-care services while making users' lives a little easier.

The Flo 7.4 Wireless Access Point System, which includes a ceiling enclosure, antenna and access points, delivers real-time information to the clinician at the point of care, improving patient care and safety.

Wireless LAN backbone addresses administrators' needs

A well designed and robust wireless LAN backbone is an important link in the chain of healthcare delivery. Administrators like the Flo 7.4 Wireless Access Point System because its ceiling mounted design and see-through cover allow for easy and convenient maintenance. Aesthetically pleasing, the enclosure blends into the ceiling, provides protection from dust and debris, and holds multiple access points and antennas. And hospitals realize premium performance with Flo 7.4's wide coverage area, which gives users wireless access and point-of-care charge capture in the furthest reaches of the hospital.

IT gains peace of mind with unrivaled network reliability

The Flo 7.4 Wireless Access Point System not only offers a secure place to locate access points, but also facilitates installation and maintenance of enterprise-class access points in standard suspended ceilings. Flo 7.4 is ready to integrate with Cisco and other 802.11 access points with Spire 802.11 b/g or a/b/g antennas, as well as configured with third-party antennas. The location is secure and provides visibility to the access points status.

Clinicians rely on consistent coverage

Clinicians rely on the Flo 7.4 because it provides consistent coverage and fewer dropped sessions anywhere in the hospital, reducing the number of support calls to IT. With the Flo 7.4, clinicians have access to real-time patient data, enabling them to interact more with patients and do their job more efficiently in multipath environments. No solution is easier to use or better designed from the clinician's perspective.



Easy to access and maintain

Flo 7.4's ceiling enclosure mounts in a 2'x2' ceiling tile space above the drop ceiling but below the plenum space. By eliminating the need to access the plenum space, facility and IT personnel do not need a permit to reach the ceiling enclosure, so maintenance can be completed quickly and easily. Flo 7.4's enamel-finish box enhances patient safety by aiding in infection control. Plus, the box's hinged, see-through cover enables a quick visual status check of the lighted access points, or alternatively, easy access by opening the door. Flo 7.4, which is approved for use in air handling spaces, comes with mounting hardware and dual 802.11 b/g antennas, or four 802.11 a/b/g antennas.

Virtually hidden and out of sight

Flo 7.4's efficient, white enclosure design blends into the ceiling tile space. Its low profile antennas are smaller than a sprinkler head and placed in a practical and ideal location. In a suspended ceiling installation, the access points are entirely concealed into the drop ceiling. Flo 7.4 allows you to position access points and antennas in the ideal coverage location for access to information over the widest coverage area possible in the hospital, giving users wireless coverage even at the end of a hall behind closed doors.

Technology hospital administrators can rely on

To help clinicians spend more time with patients and less with the hospital network, the Flo 7.4 Wireless Access Point System is built to offer unrivaled network reliability. Flexible enough to accommodate all leading enterprise-class access points, the Flo 7.4 has peerless performance through digital signal processing in the access point and meets IEEE 802.11a/b/g and Wi-Fi specifications. Installation is simplified with one network cable connection delivering Ethernet power. Flo's ceiling-mounted, versus wall-mounted, access points, ensure that users experience the best wireless coverage. Ceiling access point installation also requires fewer access points, which reduces a hospital's costs up to 40 percent. Flo's 7.4 system offers the benefits of the proper ground plane and spatial antenna diversity in easy-to-install, integrated packages. Antenna spacing and mounting are fixed and at proper spacings so that their patterns are not skewed away from common coverage areas. Flo 7.4 includes antenna solutions in frequencies from 1.8 GHz to 5.8 GHz.

Secure location you can trust

Gain peace of mind knowing that the Flo 7.4 Wireless Access Point System is in a safe place, secure from vandalism. The lockable cover for the ceiling enclosure provides physical security you need, mounting out of sight in the ceiling tile space. The Flo 7.4 can be installed in either suspended or solid ceilings.

Future growth

Recognizing that technology is always evolving, Flo has developed a flexible infrastructure that will allow a hospital to meet future technology demands. Flo 7.4 can hold multiple access points for voice over Wi-Fi, cellular coverage (WAN) and asset tracking and location (RFID). For the most cost-effective solution, Flo offers low-cost factory integration. Wireless connectivity and communications systems will require antennas that blend seamlessly into the hospital environment while meeting the exacting performance requirements needed to support high data rate traffic. Flo 7.4 is a proven system to provide wireless Clinical Information System and Internet access and a whole host of additional wireless applications.



The Flo 7.4's hinged, see-through cover enables a quick visual status check of the lighted access points, while providing protection from dust and dirt.



The Flo 7.4's cover opens easily to maintain access points.



Flo 7.4 provides wireless access and point-of-care charge capture in the furthest reaches of the hospital.

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Beyond a commitment to service

The Flo Healthcare customer service promise begins when a hospital starts evaluation of the Flo 7.4. Our service team not only helps determine the facility's operational needs, but also offers a variety of post-installation service and maintenance options. For example, we help hospitals with wireless LAN consulting and design, site survey and installation, and wireless network monitoring services. Flo Healthcare provides access to technical professionals trained to work with both clinicians and IT staff to solve problems and reduce downtime. And of course, the Flo 7.4 comes with a 100 percent satisfaction guarantee.

Innovation that sets the standard

As a multi-product solution provider, Flo provides hospitals a full line of wireless mobile solutions. Flo Healthcare's combination of healthcare expertise and innovative design has set the standard for wireless mobile workstations and wireless access points, making Flo Healthcare solutions the one everyone wants to copy. In fact, Flo Healthcare holds patents on the Aesthetic Enclosure for a Wireless Network Access Point, as well as on virtually all aspects of its leading wireless mobile workstations.

flo™ 7.4 Technical Specifications

WLAN Enclosure

Physical size	Mounts in a 2'x2' ceiling tile space: 23.75" square, 4.5" deep
Construction	Steel with white-enamel finish
Standards	IEEE 802.11a/b/g high-speed standard for wireless LANs, including Cisco
Approvals	UL 2043 compliance with fire test ULI 1950/CSA 950, information technology equipment FCC Part 15, Subpart C and FCC Part 2, 1093 Device
Input power connection	Power over Ethernet



802.11 b/g Antenna

Frequency	2.4 GHz
Physical size	3.0"
Gain	3 dBi typical
Pattern	Omnidirectional



802.11 a/b/g Antenna

Frequency	2.4 GHz, 5.3 GHz, 5.8 GHz (Tri-band)
Physical size	Height 1.8", Width 2.2", Thickness 0.7"
Gain	3 dBi typical
Pattern	Omnidirectional



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improving connections.
improving care.

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