

Location Appliance LA-200

DATA SHEET

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Fast, Accurate Real-Time
Location Services over Wi-Fi.



The Location Appliance enables enterprises to locate, track and manage valuable assets in real time.

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The Trapeze Networks® Location Appliance allows enterprises to find and track valuable assets and people in real time over their existing Wi-Fi® networks quickly and accurately. The LA-200 provides extremely precise location tracking for thousands of devices over a wireless LAN (WLAN) and enables a host of mobile enterprise applications such as asset tracking, location-sensitive content delivery, location-aware security as well as a wealth of custom applications that integrate voice and data with location-aware identity-based networking.

The Location Appliance is designed to utilize industry standard application protocols to ensure complete interoperability with any Wi-Fi client as well as 802.11 compatible active tags from industry leaders such as Newbury Networks, Pango, AeroScout, ekahau and many others.

Increasingly, organizations in data intensive industries such as financial services, healthcare and manufacturing are deploying sophisticated wireless LANs to support the latest mobile applications and next-generation wireless services, including Fixed to Mobile Convergence (FMC) and Voice over Wi-Fi. As these organizations evolve their WLAN strategies, they are embracing the strategic business value that accurate location awareness brings to wireless applica-

tions such as asset tracking, enhanced security, voice services and content provisioning.

Accuracy and Precision

By using patented server-side RSSI pattern matching techniques, the LA-200 delivers the industry's highest performance, with rapid response time and breakthrough levels of accuracy and precision for locating 802.11 devices including access points, laptops, PDAs, asset tags, Voice over Wi-Fi phones, Dual mode cellular/Wi-Fi phones, Wi-Fi enabled medical devices and even equipment such as forklifts.

Superior Tracking Performance

	LA-200
Accuracy at 10 Meters	99%
Accuracy at 5 Meters	97%
Accuracy at 3 Meters	95%
Average Seek Time	30 Sec
Fastest Seek Time	10 Sec
Number of Devices Tracked	2,000

Location Application LA-200 (continued)

Application Scalability

Smart Mobile enables the industry's most scalable location tracking services, allowing organizations to deploy across the enterprise without fear of crippling the performance of other applications, or compromising future voice over Wi-Fi deployment. Unlike any other Wi-Fi based location solution, the Trapeze solution delivers reliable real-time positioning data without causing additional load on the WLAN controller – all made possible through Smart Mobile's intelligent switching architecture which allows distributed switching at the network edge.

Unique Location-based Access Control

No other WLAN vendor has integrated location tracking with Access Control. By doing so, Trapeze provides network administrators new levels of flexibility to restrict network access, based on a person's location. This enables much tighter control of guests as they move in and out of meeting rooms and around the campus, and augments traditional endpoint security with location awareness, in order to prevent parking-lot hackers who may have stolen a laptop or PDA.

Broad Partner Ecosystem

Trapeze is partnered with location services technology leaders including Newbury Networks, PanGo Networks, AeroScout and ekahau for a complete location tracking ecosystem. The LA-200 comes with useful out-of-the-box location tracking tools as well as APIs for custom software integration allowing rapid deployment alongside asset management, workflow, resource-planning, and network management applications. The LA-200 is compatible with Wi-Fi tags from all of these vendors and may also be used in conjunction with their enterprise-targeted location software applications.

Key Features

Features

- Ability to simultaneously track up to 2,000 wireless devices with at least 5 minute granularity
- Uses industry standard protocols, and does not need specialized hardware or software on the tracked devices
- Locates all devices to room level with proven accuracy at 99% with 10 meter precision in under 30 seconds
- Includes a graphical dashboard to view location and real-time movement of Wi-Fi devices, people, and asset tags
- Comes with APIs to enable custom applications and business-process integration with location services
- Collects RSSI data from Access Points anywhere in the network regardless of Mobility Domain™
- Able to store location history for each tracked device for up to 30 days

Specifications

Hardware Specifications

Dimensions (W x D x H)	<ul style="list-style-type: none"> • 16.7 in x 14 in x 1.7 in (42.4 cm x 35.6 cm x 4.3 cm)
Weight	<ul style="list-style-type: none"> • 14.0 lbs (6.35 kg)
Interfaces	<ul style="list-style-type: none"> • 2 10/100/1000 Base-T ports • 1 Serial console port
Environmental	<ul style="list-style-type: none"> • Operating temperature: 10°C to 35°C • Storage temperature: -40°C to 70°C • Humidity: 5% - 90% (non-condensing)
Power	<ul style="list-style-type: none"> • 100-240 VAC 50/60 Hz • 250 watts power supply • Max Amperage draw: 5.0 A
Regulatory Safety	<ul style="list-style-type: none"> • UL 609501, CB IEC 609501, CSA 609501, EN 60950, IEC 60590
EMI / EMC	<ul style="list-style-type: none"> • FCC PART 15 Class A • ICES 003 Class A • VCCI Class A • EN 55022 Class A, EN 55024 • CISPR 22 Class A
IEEE Standards	<ul style="list-style-type: none"> • 802.3: 100BASE-T • 802.3u: 1000BASE-TX Gigabit Ethernet



Ordering Information

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LA-200-xx	<ul style="list-style-type: none">• Location Appliance with 2 x 10/100/1000Base-T ports, for Real-Time Location Services (RTLS)
LA-200-xx-PAK	<ul style="list-style-type: none">• Asset Tracking Starter Pack Bundle: includes one LA-200-xx Location Appliance, 25 Newbury AT-320 Asset Tags, Newbury ActiveAsset application with 25 asset tracking licenses
AT-320	<ul style="list-style-type: none">• Newbury Active 802.11b/g Asset Tag for Wi-Fi Based Asset Tracking Solutions• xx = NA - North America, EU - Europe, UK - United Kingdom, JP - Japan, AU - Australia