

Taking Mobility Outside

UNIVERGE® WL1600 Outdoor Access Point

UNIVERGE® Assured Mobility™ is NEC's newest generation wireless LAN (WLAN) communications solution, connecting people to people and information—anytime, anywhere, on any device.

Integral to Assured Mobility, the UNIVERGE WL1600 Outdoor Access Point (AP) enables wireless users to stay connected as they roam between buildings on campus. The WL1600 Outdoor AP acts as a node that can connect anywhere to an existing IP network, thus, it can be outside the physical perimeters of a normal Local Area Network. At the same time, it can be managed and controlled by any of the new UNIVERGE Controllers or the UNIVERGE WL1700-MS AP.

WL1600 Outdoor AP provides:

- Weatherized outdoor WLAN access to the network
- Secure mobility
- Quality of service for vital applications
- Maximum WLAN availability

Weather-protected WL1600 Outdoor APs can be placed anywhere outside; it even provides protection against lightning. In addition, you have the option of utilizing external antennas based on coverage and security considerations.

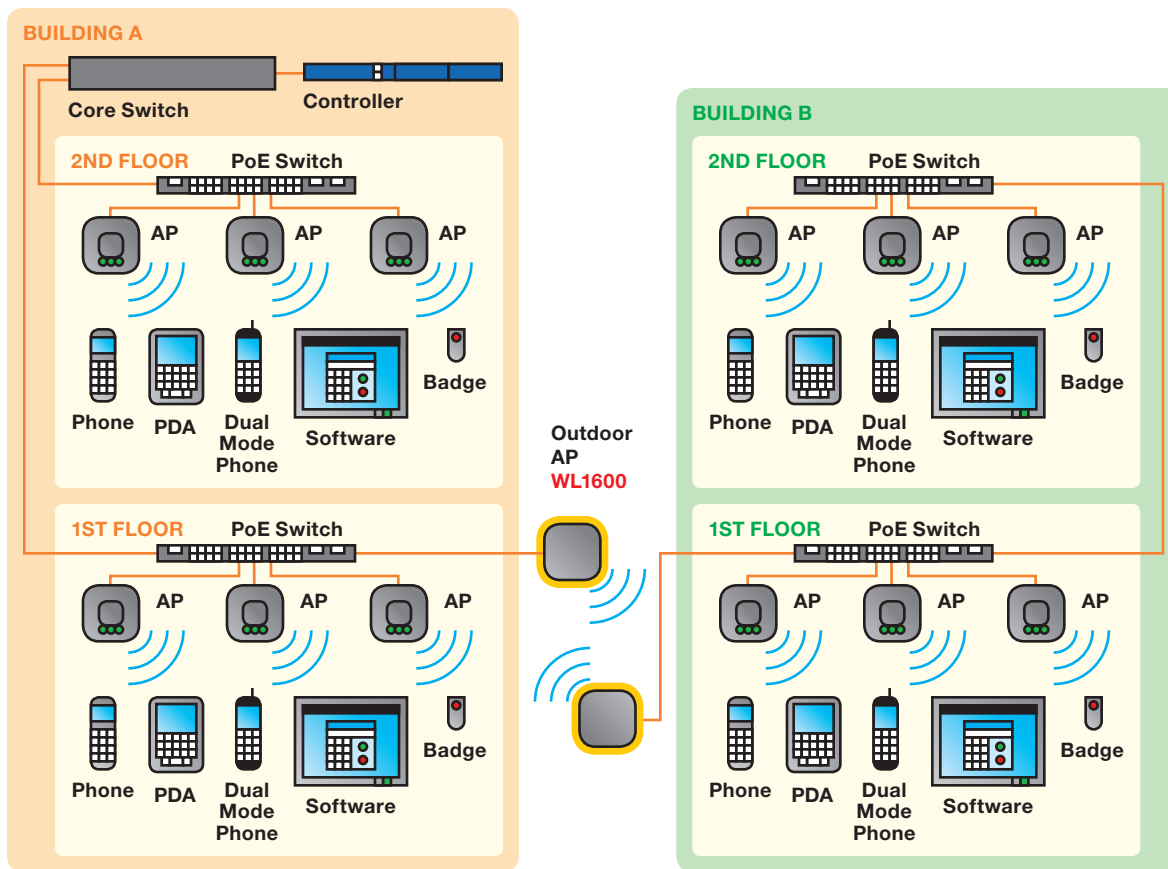
The dual-radio WL1600 Outdoor AP can be configured with one radio for data services and the other for wireless backhaul.

Planning, configuring and deploying WL1600 Outdoor APs is simple. The UNIVERGE WLMS automates the entire process, including determining number of APs needed, their locations and how they should be configured. If a WL1600 Outdoor AP is replaced, the new UNIVERGE WL Controllers automatically download the correct configuration.

WL1600 Outdoor APs continuously scan all 802.11 radio space and channels. They report findings to the new UNIVERGE WL Controllers and WLMS.



WL1600 Outdoor Access Point



Key Features

- **Managed Dual Radio.** One radio can be used for voice/data, the other for backhaul.
- **No-Touch Configuration.** No programming in the Access Point.
- **Time-sensitive Traffic Prioritization.** Recognizes real-time packets and always gives voice traffic priority over data.
- **Optimized Security.** Has rogue, intrusion and denial-of-service detection on board.
- **Automatic RF Tuning.** Ensures the frequency is always accurate.

Specifications

UNIVERGE WL1600 Outdoor Access Point

Wireless Frequency Band	2.4GHz/5GHz ISM Band
Physical/MAC Layer	IEEE 802.11a/b/g Dual Band/Tri Mode Supported
Modulation	5GHz: OFDM, 2.4GHz: OFDM, DSSS
Antenna Connector	Two N-type Female Connectors for 802.11a and 802.11b/g
Wired Interface	10/100Base-TX x 1 Ports, IEEE802.3af PD
AP Management Protocol	Control Plane: IETF CAPWAP WG Taxonomy and Architecture Compatibility, Data Plane: IPinIP
Features	Auto Config, RF Monitoring, Wireless Bandwidth Management, Dynamic Power Save Buffering, Virtual AP, Security (Crypto, Key-cache), Fail-over/Port Redundancy
Power Supply	-48VDC, 1.2Arms, 30W Peak during Dual-radio Operation
Environmental	Operating Temperature: -22° to 131°F (-30° to 55°C) Operating Humidity: 15-95%, Non-condensing
Physical	Dimensions (WxDxH): 7.8 x 2.76 x 7.8 in. (19.81 x 7.0 x 19.81 mm) Weight: 3.53 lbs. (1.6kg)

Empowered by Innovation

NEC

For more information, visit necunified.com/wlan.

About NEC Unified Solutions, Inc. NEC Unified Solutions Inc., a global leader in VoIP and data communications for the enterprise and small-medium business, delivers the industry's most innovative suite of products, applications and services that help customers achieve business value through technology. NEC Unified Solutions, a wholly owned subsidiary of NEC Corporation of America, offers a complete portfolio of solutions for wireless, unified communications, voice, data and management services, and an open migration path to protect investments. NEC Unified Solutions, Inc. serves Fortune 1000 customers across the globe in vertical markets such as hospitality, education, government and healthcare.

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