

WLAN Controller 8180

The WLAN Controller 8180 is a high capacity WLAN controller for medium to large size enterprise deployments. It is part of the Avaya WLAN 8100 series portfolio, a complete enterprise grade WLAN solution, which combines the latest industry 802.11n standard with a new truly-unified wired/wireless architecture. The WLAN 8100 series enables enterprises to achieve new levels of workforce productivity, operational efficiency, and reliability that are needed in the emerging Unwired Enterprise era.

The WC 8180 supports up to 256 802.11n APs (512 future).

Key benefits

High Performance and Service Resiliency Designed for Voice and Multimedia Applications

- Seamless Roaming: Enables layer 2 and 3 roaming among all access points and peer controllers
- Fast roaming: User authentication information and associated policies are shared with other 8100 series controllers to minimize delay and jitter while roaming

- Supports Call Admission Control (CAC) and traffic prioritization to protect and guarantee consideration for delay/jitter sensitive traffic (VoIP, MMoIP)
- QoS enforcement – Supports 802.11e, WMM, DSCP, 802.1p, IP TOS
- Resilient Design: Dual redundant power supplies, field replaceable fan tray

Manageability and Security for Large Scale Deployments and Mainstream WLAN Connectivity

- Centralized Access Point Management: Provides networking, security, QoS, RF management, image management and roaming
- 10 Gbps wireless switching capacity; upgradeable to 20 Gbps in future.
- Support for up to 256 802.11n APs (512 in future)
- Supports 10K wireless clients per controller

- Supports up to 32 controllers/domain
- Supports up to 4000 AP's per domain
- Supports latest Security Standards
- FIPS 140-2 Ready
- User-Based Policies: Enforces security and QoS policies based on individual user or group identity
- Plug 'n Play / Plug 'n Grow: Recognizes new access points and dynamically incorporates them into the WLAN system
- Captive Portal with guest management capability with WMS or IDEngines
- Integration with RADIUS/LDAP servers
- WebUI, CLI, SNMPv3
- Efficient and flexible load balancing of APs across controllers
- WIDS/WIPS capability with AP and Client rogue detection and mitigation
- Up to 4K mobility VLANs per domain and 248 per controller
- Up to 128 IP interfaces
- E911 support
- IGMP snooping with smooth mobility capability
- Sub second data plane failover
- DHCP relay support

Learn More

For more information, contact Avaya or an Avaya Channel Partner or visit avaya.com.



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| Mechanical Specifications | <ul style="list-style-type: none"> • Size: <ul style="list-style-type: none"> - Width: Standard rack width (17 ½ in) - Depth: 17 ¼ in - Height: 1U (1 ¾ in) • Weight: <ul style="list-style-type: none"> - With two power supplies 20.5 lbs • Operating Temperature: <ul style="list-style-type: none"> - 0° C to +50° C (32° F to +122° F) • Storage Temperature: <ul style="list-style-type: none"> - -20° C to 70° C (-4° F to +158° F) • Humidity: 10 to 95 percent non-condensing |
| Power Supply (each) | <ul style="list-style-type: none"> • 100-240V ~AC • 47 Hz to 63 Hz |
| Status Indicators | <ul style="list-style-type: none"> • Management CPU status LED • WLAN NPU LED • Power supply status LEDs • Port activity and link speed LEDs |
| Network Ports | <ul style="list-style-type: none"> • 12F/12Cu GbE • 2x10GbE |

About Avaya

Avaya is a global leader in enterprise communications systems. The company provides unified communications, contact centers, and related services directly and through its channel partners to leading businesses and organizations around the world. Enterprises of all sizes depend on Avaya for state-of-the-art communications that improve efficiency, collaboration, customer service and competitiveness. For more information please visit www.avaya.com.



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