MC1550

Wireless LAN Controller

End-to-end control over the wireless LAN for your small enterprise

The MC1550 WLAN controller optimizes traffic across wireless access points and client devices to provide high performance and predictability while addressing mission-critical enterprise demands for wireless connectivity. It supports up to 50 access points and 1000 client devices to deliver data, voice, and video applications in small enterprises and branch offices.

Powered by Meru's System Director operating system, the MC1550 creates a unified wireless LAN environment designed to deliver seamless mobility and superior reliability. System Director optimizes client distribution and channel utilization in both single- and multi-channel deployments, maximizing efficiency to make the most of available wireless spectrum. Radio frequency virtualization simplifies deployment and allows easy capacity expansion as your needs evolve.

The controller manages authentication, encryption, and virtual private network (VPN) connections for your wireless network. You can easily extend the MC1550's capabilities with optional software for policy enforcement and wireless intrusion prevention. As with other Meru wireless controllers, the MC1550 integrates with the E(z)RF® network management suite, which combines with System Director to bring intelligent management and resilient wireless services to your network. It also integrates with Meru Identity Manager as part of a complete BYOD and guest access solution.

Features	Benefits
• Powered by System Director operating system	• Delivers highly predictable, resilient wireless services in both single- and multi-channel deployments
• Radio frequency virtualization	
• Infrastructure-controlled, zero-loss handoffs and traffic load balancing	• Simplifies deployment and capacity expansion for your wireless network
• Multilayered wireless LAN security: 802.1X authentication, encryption, firewall, and optional wireless IPS/IDS	• Offers seamless wireless mobility with superior roaming reliability
• Seamless interoperability with multi-vendor network infrastructure	• Protects sensitive data and aids in compliance
	• Supports existing technology investments

APPLICATION:
- Small enterprises
- Remote offices

CAPACITY:
50 access points
1000 clients

CONNECTIVITY:
- 2 x 10/100/1000BASE-T Ethernet (RJ45)
- 1 x serial console (RJ45)

For more information, visit **www.merunetworks.com**

MC1550
TECHNICAL SPECIFICATIONS

QoS
WMM support
Dynamic WMM rate adaptation
Configurable QoS rules per user and application

SECURITY

Access Control
WEP, WPA-PSK, WPA-TKIP, WPA2-AES, 802.11i, 802.1X (EAP-TLS, EAP-TTLS, PEAP, LEAP, EAP-FAST, EAP-SIM, EAP-AKA, and EAP-MD5)
802.1X and captive portal authentication against local database on the controller, RADIUS, and Active Directory
RADIUS-assisted per-user and per-ESSID access control via MAC filtering

Security Firewall
Per-user firewall with fine-grained policy management: admission control, packet prioritization, QoS flows, packet drop policy, bandwidth scaling, filter ID, network protocol, and source port filtering
System-configured or per-user, RADIUS-configured firewall policies

MANAGEMENT

Zero Configuration
Access points automatically discover controllers and download configuration settings for zero-touch, plug-and-play deployment

System Management
Upgrades and management using System Director/E(z)RF® Network Manager
Support for SNMP
Centralized WLAN security policies with multiple ESS profiles
VLAN-specific administrative/security policies

Intelligent RF Management
Coordination of access points with load balancing for predictable performance

VLAN SUPPORT
IEEE 802.1Q VLAN tagging, GRE Tunneling

PHYSICAL SPECIFICATIONS

Power
One 12V, 3.75A (45W Max) AC/DC adapter included

Power Consumption
33.0 watts

Interfaces
2 x 10/100/1000BASE-T Ethernet (RJ45)
1 x serial console (RJ45)

Mounting
Desktop mount
1U rack mount (mounting kit required; included)

Dimensions
1.73" height x 10.70" width x 7.68" depth
(4.4 cm height x 27.2 cm width x 19.5 cm depth)

Weight
4.4 lbs
(2.0 kg)

Environmental
Operating temperature: 0°C to 40°C (32°F to 104°F)
Operating relative humidity: 10% to 95% (non-condensing)
Non-operating temperature: -20°C to 70°C (-4°F to 158°F)
Non-operating relative humidity: 10% to 95% (non-condensing)

Regulatory Approval
FCC part 15B Class B - USA
UL 60950-1 - USA
CSA C22.2 No. 60950-1-07 - Canada
EN 60950-1 - EU
IEC 60950-1 - International
ICES-003 Class B - Canada
EN55022 Class B - EU
EN55024 - EU
VCCI Class B - Japan

Certifications
RoHS Compliant
REACH Compliant
WEEE Compliant

Standard Warranty
1 year

Part Numbers
Contact your Meru representative.

Meru delivers an all-wireless network that fully supports the enterprise, delivering a consistent, interactive experience for all users. No matter what applications they are running. No matter how many other users are on the network.

For more information, visit **www.merunetworks.com** or email your questions to: meru**info@merunetworks.com**