



MC4200

Wireless LAN Controller

Achieve end-to-end network control and give your large enterprise an edge in the all-wireless era

Powered by Meru's System Director 5 operating system, the MC4200 delivers centralized configuration and management, multilayer security, and N+1 redundancy and scalability. And unlike other controllers, the MC4200 coordinates all access points in real-time — creating a single, unified wireless LAN environment.

Supporting up to 500 access points, it easily handles the high client density and diversity demands of large enterprises. And if you require further expansion, the MC4200 easily integrates with multiple controllers and existing infrastructure.

Bring control to your network with simplicity, versatility, and switch-like reliability. Be ready for the all-wireless workforce with the MC4200 controller.

Other controller innovations from Meru:

MC5000 Controller

Flexible and scalable solution for the largest enterprises — supports 1,500 APs

MC3200 Controller

Provides system-wide coordination for medium-size enterprises — supports 200 APs

MC1500 Controller

A cost-effective solution for branch offices and smaller enterprises — supports 30 APs

APPLICATION: Large enterprises	CAPACITY: 500 access points	CONNECTIVITY: 4x1 Gigabit Ethernet, or 2x10 Gigabit Ethernet
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The Meru Difference: engineering wireless networks built for mobility from day one. As wireless devices increase in density and diversity, and move from casual to business-essential use, Meru helps customers across an array of industries prepare for the coming Wi-Fi® flood. By unlocking the true potential of 802.11n standards, Meru is the only company that puts networks in control, creating Virtualized Wireless LAN environments that deliver more reliability and flexibility — unleashing the power of mobility.

For more information about the MC4200, visit www.merunetworks.com

MC4200

TECHNICAL SPECIFICATIONS

APPLICATION SUPPORT AND OVER-THE-AIR QoS

SIP and H.323 support

Dynamic out-of-the-box support for SIP and H.323 applications and codecs

QoS

Configurable QoS rules for SIP, H.323, Ascom, Avaya, Microsoft, Polycom, Siemens, and ShoreTel
User-configurable static and dynamic QoS rules per application (user-defined) and per user (stations, users, and port numbers)
Call Admissions Control and Call Load Balancing
WMM Support
WMM Rate Adaptation, optimized based on real-time network conditions

SECURITY

Authentication

Combination of captive portal, 802.1x and open authentication
Advanced security using WPA2
802.1X with EAP-Transport Layer Security (EAP-TLS), Tunneled TLS (EAP-TTLS), Protected EAP (PEAP), MSCHAPv2, Smartcard/Certificate, Lightweight EAP (LEAP), EAP-FAST and EAP-MD5, with mutual authentication and dynamic, per user, per session unicast and broadcast keys
Secure HTTPS w/customizable Captive Portal utilizing RADIUS

Encryption Support

Static and dynamic 40-bit and 128-bit WEP keys, TKIP with MIC, AES, SSL, TLS

Security Policy

Radius Assisted, Per User and Per ESSID Access control via MAC Filtering; Multiple ESSID/BSSID each with flexibility of separate and shared Security Policy

Rogue Detection and Suppression

All radios capable of scanning 802.11n, 802.11a and 802.11b/g for rogue devices

Security Firewall

10,000 simultaneous sessions
System configured or Per User Radius configured firewall policy

MOBILITY

Zero-loss Handoffs

Infrastructure-controlled zero-loss handoff mechanism for standard Wi-Fi® clients

Virtual Cell Load Balancing

Virtual Cell provides load balancing coordination for improved performance and WLAN resiliency upon AP failure

CENTRALIZED MANAGEMENT

Zero-Configuration

Automatically selects power and channel settings
Automatically discovers controllers and download configuration settings
Zero touch, plug and play deployments

System Management

Centralized and remote management and software upgrades via System Director web-based GUI, SNMP, Command-Line Interface (CLI) via serial port, SSH, Telnet, centrally managed via E(z)RF Management Suite
Centralized Security Policy for WLAN, Multiple ESSIDs and VLANs with their own administrative/security policies

Intelligent RF Management

Coordination of access points with load-balancing for predictable performance; Centralized auto-discovery, auto-channel configuration, and auto-power selection for APs; Co-channel interference management

WIRED/WIRELESS SUPPORT

Wireless Compliance

IEEE 802.11 a/b/g/n, IEEE 802.11i support (AES, WEP, WPA, WPA2), IEEE 802.11e, WMM

Automatic Discovery & Configuration

All Meru Access Points

Wired/Switching

IEEE 802.1Q VLAN tagging, GRE Tunneling and IEEE 802.1D Spanning Tree Protocol

PHYSICAL SPECIFICATIONS

Dimensions

16.97" width x 1.74" height x 16.49" depth
(43.1 cm width x 4.45 cm height x 41.88 cm depth)

Weight

25 lbs 6 oz

Power

Dual Hot Swappable 275W PSU

Environmental

Operating Temperature: 0° to 40° C (32° F to 104° F)
Operating Humidity: 95% at 40° C (104° F)
Storage Temperature: -40° to 85° C (-40° F to 185° F)
Storage Humidity: 95% at 40° C (104° F)

Interfaces

4 10/100/1000 Base-T Ethernet
Optional 2x 10 Gigabit Ethernet
RJ45 Console Port
2 x USB Port
Power On/Off Switch
Ethernet Port Status Lights (LED) for Link/Activity/Speed

Access Point and Client Support

500 APs and up to 5000 Wi-Fi clients

Mounting

1U Rack Mount

Standard Warranty

1 year

Certifications

Wi-Fi Certified a/b/g/n
RoHS Compliant



Safety Standards

UL 60950-1
IEC 60950-1

EMC

FCC Part 15/ICES-003 Class A
VCCI Class A - Japan
EN 55022 Class A - Europe
EN 55024 - Europe
EN60601-1 - Europe
EN60601-1-2 - Europe
KCC - Korea



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