

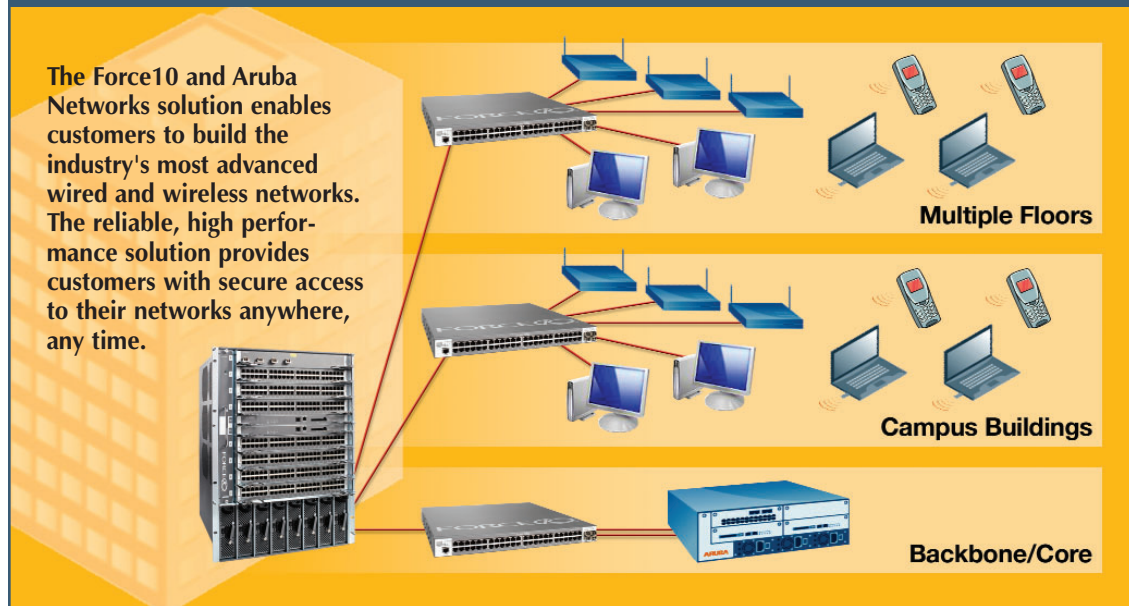
- Compatible with existing infrastructure
- Interoperable best-of-breed technology
- Industry leading reliability, scalability and security

**Management,
Reliability,
Inherent
Stability &
No
Network
Downtime**

**Unmatched
Security Services
Provide
Secure
Access to
Data**

**Flexibly
Responds
to
New Applications
as Created**

WIRED/WIRELESS NETWORK TOPOLOGY



Seamless Converged Mobility Solution

Force10 Networks® and Aruba Networks® have partnered to deliver an interoperable solution for seamless converged mobility with unmatched security services by combining best-of-breed switching and routing with WLAN infrastructure.

The inherent reliability of the Force10 C300 resilient switch guarantees predictable and constant access for all users, wired and wireless. Aruba's customer focused approach to secure mobility extends network connectivity and enterprise security anywhere as a user roams, allowing the largest networks to be centrally managed.

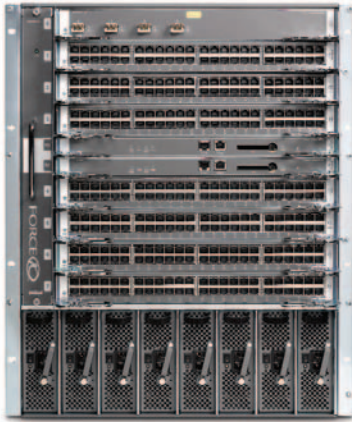
Together, this innovative solution allows customers to provide a high performance wireless and wired network in education, healthcare, finance and enterprises large and small. By building a unified network fabric that extends pervasive reliability, network control and scalability, enterprises are ensured a network that is a strategic asset.



Solution Key Features

- Non-blocking architecture supports up to 384 line-rate Gigabit Ethernet ports
- Embedded security features guarantee a secure connection
- Intelligent power management system prioritizes power to distributed access points

Force10: C-Series C300



Physical

8 Line card slots
 2 Switch fabric and route processor module slots
 8 Power supply module slots
 1 Fan tray slot
 Size: 14 RU, 22.5" h x 17.5" w x 14" d
 (57.15 cm x 44.45 cm x 34.56 cm)
 Weight with factory-installed components: 55 lbs (24.95 kg)
 Weight fully loaded: 152.27 lbs (69.07 kg)

AC Power

Nominal input voltage: 100 - 240 VAC 50/60 HZ

Maximum thermal output:

9,600W (32,755 BTU/Hour) 100/120 VAC

9,600W (32,755 BTU/Hour) 200/220 VAC

Maximum input current:

14A 100 VAC per module

12A 120 VAC per module

7A 200 VAC per module

6A 240 VAC per module

Maximum system power input:

9.6KVA 100/120 VAC

9.6KVA 200/240 VAC

19" front rack mountable

Maximum Operating Specifications:

Temperature: 32° to 104°F (0° to 40°C)

Altitude: no performance degradation to 10,000 feet
 (3,048 meters)

Relative humidity: 5 to 85 percent, noncondensing

Shock: Bellcore GR-63

Vibration: Bellcore GR-63

Maximum Non-operating Specifications:

Temperature: -40° to 158°F (-40° to 70°C)

Maximum altitude: 15,000 feet (4,572 meters)

Relative humidity: 5 to 95 percent, noncondensing

Vibration: Bellcore GR-63

Redundancy

1+1 redundant Switch Fabric and Route Processor Modules (RPM)

2+1 redundant system power supply modules

Online insertion and removal of all components

Environmental self-monitoring

IEEE Compliance

802.3 10Base-T

802.3u Fast Ethernet (100Base-TX)

802.3ab 1000Base-T

802.3z Gigabit Ethernet

802.3ae 10 Gigabit Ethernet

802.3ak 10 Gigabit Ethernet CX4

802.3af Power over Ethernet

802.1p L2 Prioritization

802.1Q VLAN Tagging, Double VLAN Tagging

802.1ac Frame Extensions for VLAN Tagging

802.1s Multiple Spanning Tree Protocol

802.1w Rapid Spanning Tree Protocol

802.1X Port Based Network Access Control

802.1AB Link Layer Discovery Protocol

802.3ad Link Aggregation with LACP

802.1D Bridging

802.3x Flow Control

RFC Compliance

OSPF

1587 NSSA option

2154 OSPF MD5

2328 OSPF v2

2370 Opaque LSA option

Aruba: Mobile Edge Controller



Wireless LAN Security & Control Features

- 802.11i security (WFA certified WPA2 and WPA)
- 802.1X user and machine authentication
- EAP-PEAP, EAP-TLS, EAP-TTLS support
- Centralized AES-CCM, TKIP and WEP encryption
- 802.11i PMK caching for fast roaming applications
- EAP offload for AAA server scalability & survivability
- Stateful 802.1X authentication for standalone APs
- MAC address, SSID & location based authentication
- Per-SSID bandwidth contracts
- SSID-based RADIUS server selection
- Secure AP control & management over IPSEC or GRE
- CAPWAP compatible and upgradeable
- Distributed WLAN mode for remote AP deployments
- Simultaneous centralized & distributed WLAN support

Identity-based Security Features

- Wired and wireless user authentication
- Captive portal, 802.1X & MAC address authentication
- Username, IP address, MAC address & encryption key binding for strong network identity creation
- Per-packet identity verification to prevent impersonation
- Endpoint posture assessment, quarantine & remediation
- Microsoft NAP, Cisco NAC, Symantec SSE support
- RADIUS and LDAP based AAA server support
- Internal user database for AAA server failover protection
- Role-based authorization for eliminating excess privilege
- Robust policy enforcement with stateful packet inspection
- Role-based MAC/Ethertype ACLs
- Per-user session accounting for usage auditing
- Web-based guest enrollment with Aruba GuestConnect™
- Configurable acceptable use policies for guest access
- XML-based API for external captive portal integration
- xSec option for wired LAN authentication & encryption (802.1X authentication, 256-bit AES-CBC encryption)

Convergence Features

- Voice and data on a single SSID for converged devices
- Flow-based QoS using Voice Flow Classification™
- SIP, Spectralink SVP, Cisco SCCP and Vocera ALGs
- Strict priority queuing for over-the-air QoS
- 802.11e support – WMM, U-APSD and T-SPEC
- QoS policing for preventing network abuse via 802.11e
- SIP authentication tracking
- Diffserv marking & 802.1p support for network QoS
- On-hook and off-hook VoIP client detection
- Voice-aware 802.1x authentication
- VoIP call admission control (CAC) using VFC
- Call reservation thresholds for mobile VoIP calls
- Voice-aware RF management for ensuring voice quality
- Fast roaming support for ensuring mobile voice quality
- SIP early media & ringing tone generation (RFC 3960)
- Per-user & per-role rate limits (bandwidth contracts)



Force10 Networks, Inc.

350 Holger Way
 San Jose, CA 95134 USA
www.force10networks.com

408-571-3500 PHONE
 408-571-3550 FACSIMILE

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