

EXECUTIVE OVERVIEW

ARUBA'S REMOTE ACCESS SOLUTION FOR BUSINESS CONTINUITY

Businesses cannot afford to shut down in response to man-made incidents, natural disasters, or pandemics, so contingency planning is essential to ensure business continuity. Aruba's Remote Access Solution helps IT departments address the daunting task of supporting a workforce that's highly mobile and requires access to the same resources as corporate users. By providing a versatile remote networking solution, IT can securely extend the corporate enterprise network at lower cost and massive scale to easily overcome the complexity that makes traditional remote networking options poorly suited for wide-scale business continuity applications. On top of that, multiple failover options ensure that remote sites remain active in case of primary service disruption.

Using the same security as Mobility Controllers in larger branches, the versatile Remote Access Points (RAPs) create a secure SSL/IPSec VPN connection back to an Aruba Mobility Controller over any wide-area transport, including 4G cellular, residential DSL, and cable networks with plug-and-play simplicity.

With Aruba AirWave software, IT network managers can centrally manage and monitor the entire distributed network, suitable for locations with no dedicated IT onsite. And by leveraging the free Aruba Activate service, IT can factory-ship RAPs directly to a remote location and bring a local network online with zero-touch provisioning.

Just like Mobility Controllers in the branch, RAPs support centralized management of data, voice, and video applications, including wired voice over IP (VoIP) desk phones, printers, and other IoT devices. RAP installation is plug-and-play, features built-in diagnostics, and is simple for any employee to power up. Software updates are automatically installed, eliminating the need to manually upgrade hundreds or thousands of sites.



THE ARUBA ADVANTAGE:

- Seamless Application Access: Corporate apps work remotely without the need for user retraining or additional software
- Resilient WAN Connectivity: Wired and 4G cellular access over any WAN transport
- Always-on Connectivity: Automatic discovery and failover within and between the data center and remote sites
- WAN Independent: Easily move to a new site and use existing broadband connections or cellular networks
- Zero-Touch Provisioning: Easy-to-install design dramatically lowers the cost of deployment
- Wired and Wireless Security: Role-based policy enforcement and authentication for each user and device
- Highly Scalable Solution: The hardware-based solutions are massively scalable to meet the needs of the largest workforce
- Regulatory Compliance: Built-in reporting and compliance auditing to help meet regulatory mandates are built into the system and management tools
- Centralized Management: The AirWave Management Platform® provides a single interface from which to manage the entire remote network

UNIQUE ARUBA CAPABILITIES

Seamless application access

Aruba's RAP, just like the Mobility Controller, extends the workplace desk experience anywhere that has an Internet or cellular connection. Laptops and VoIP phones work just like they do in the office – including four digit dialing.

Resilient WAN connectivity

Should a wired WAN link fail, a select range of RAP and Mobility Controller models can automatically switch to a 4G cellular modem for dial back-up. The cellular modem plugs into a USB on the RAP or Mobility Controller, allowing for a wide range of modems and service providers.

Always-on connectivity

Aruba's solution supports both inter- and intra-data center redundancy. The RAP does not need to be programmed individually with route information – they're capable of discovering alternative paths automatically. In the data center, local VRRP-based high availability provides fast fail-over between devices. Should the data center connection become unavailable, RAPs and Mobility Controllers can fail-over to a redundant controller in another data center, providing a second line of defense.

Zero-touch provisioning

RAPs can be deployed without IT touching any of the devices. The administrator simply configures a list of authorized RAPs on the controller, and when a RAP connects and presents a digital certificate that matches the authorized list it will automatically become part of the enterprise infrastructure. Configuration and software updates are automatically loaded in real-time as configuration changes are made.

Wired and wireless security

RAPs and Mobility Controllers feature secure wired and wireless connections that include encryption and user authentication to protect the remote network. In addition, the Aruba Wireless Intrusion Prevention (WIP) module provides advanced security, and the Policy Enforcement Firewall-V module extends application and user awareness to the remote site.

Highly scalable solution

The Aruba Remote Access solution is massively scalable and economical for an office for one, to thousands of satellite offices. Mobility Controllers act as VPN concentrators and scale to support over 2,000 RAPs per controller.

Regulatory compliance

SOX, HIPAA, PCI, and GLBA, and other regulations mandate how data are handled, including the separation of data and reporting. Aruba's Policy Enforcement Firewall and AirWave are uniquely suited to enforce administrative policies and assist with compliance reporting.

Centralized management

Management and reporting can be performed by either the AirWave or the Aruba controller. AirWave provides visibility into the LAN side of the branch office, and includes information on both individual users and devices. It also links into other existing IT management software, provides extensive reporting capabilities, and has specialized views for Help Desk, Security/Audit groups, and executive management.