

## SOLUTION OVERVIEW

# Aruba ESP Remote Access Solutions

## Delivering the In-Office Experience, Anywhere

The workplace has changed dramatically because of the COVID-19 pandemic and the adoption of hybrid work models. Hybrid and remote work are now a permanent part of the workplace, with more than 50% of employees expected to work remotely at least part of the time post-pandemic<sup>1</sup>. Giving distributed teams the ability to connect, collaborate, and access the tools and data required to do their jobs has become an imperative for nearly every organization. Ensuring this connectivity and collaboration are done in a secure and compliant manner is a key concern as IT organizations adapt their network architectures for work from anywhere.

### KEY CONSIDERATIONS FOR REMOTE ACCESS

- **Performance and Control.** Successfully enabling hybrid and remote work means providing workers with the same access to tools, applications, and functionality as they move fluidly between the small office/home office (SOHO) and campus. Yet with increasingly sophisticated services available on campus and a growing, decentralized workforce, leveling the playing field between campus and remote workers can be challenging. EdgeConnect Microbranch, part of the Aruba Edge Services Platform (ESP), delivers an on-campus equivalent experience to remote workers with cloud scalability and SD-WAN services that provide IT the ability to scale and optimize the network for business priorities and reliability for business-critical applications.
- **User experience and management.** Remote workers need access to all the applications, data, and resources they are accustomed to having at their fingertips. This means their experience remotely should be identical to their experience when they are physically in the office. EdgeConnect Microbranch features like Zero-Touch Provisioning provide simple, remote network setup, configuration, and management without onsite IT support, making onboarding new remote users and installing corporate devices at home like VoIP phones and printers as easy as plug-and-play.



### THE ARUBA ADVANTAGE

- Enhance network performance and user experience with SD-WAN services delivered to the small office, home office, and temporary location via the Wi-Fi access point
- Extend Zero Trust security and SASE frameworks from campus to edge with consistent role-based policy enforcement and authentication and integrated cloud security services
- Optimize the network for business priorities based on IT-defined rules for specific applications, websites, or users
- Reduce mean time-to-resolution by accelerating WAN troubleshooting for remote workers with near real-time updates on availability, utilization, and throughput
- Scale your distributed workforce from tens to tens of thousands with the same ease, efficiency, and economics

<sup>1</sup> IDC. *Branch of One: Evolution of the Enterprise Network Edge for Remote Workers*. March, 2021.



- **Consistent security and privacy.** Security threats are increasing at an alarming rate, and IT networking and security teams must now secure and protect hundreds or even thousands of remote locations from attacks. However, security and compliance considerations must offer maximum protection and risk reduction without hindering service level and availability expectations. The EdgeConnect Microbranch secure remote access solution allows IT to extend consistent security from the campus to the remote location, with the same Zero Trust and secure access service edge (SASE) frameworks. Best practices such as network access control and segmentation based on the role of the user as well as integrated cloud security deliver transparent, secure experiences to users regardless of their location.

### EDGECONNECT MICROBRANCH

Building on a strong foundation of Aruba work-from-home solutions like remote access points (RAPs), EdgeConnect Microbranch provides organizations with a modern, massively scalable way to power remote work in home and small offices, as well as temporary locations. EdgeConnect Microbranch extends SD-WAN services and the SASE framework to the edge, via cloud-native Aruba Central for management and any Aruba Wi-Fi access point—no gateway, agent or appliance required at the remote site.

As part of AI-powered Aruba ESP, EdgeConnect Microbranch builds on existing cloud-managed Wi-Fi capabilities like Zero Touch Provisioning and role-based access control with services such as intelligent policy-based routing, dynamic tunnel and route orchestration, enhanced WAN troubleshooting tools, and SASE integration.

These new capabilities give IT teams greater control and visibility into the remote network, without the additional overhead of on-premises hardware or appliances. Now IT can optimize the remote network to ensure that remote employees experience the same quality of service and access to resources as they do on campus—while protecting against security threats without disrupting remote worker productivity.

### Aruba Wi-Fi Access Points

Multi-functional Aruba access points deliver secure and fast wireless and wired network access to enterprise resources for remote and temporary workspaces. EdgeConnect Microbranch services can be delivered through any Aruba AP used as a RAP. The Aruba 303, 503, and 505 Series APs are the most popular RAP models with features ideal for SOHO environments such as a small form factor, desk-mount capability, one or more local wired ports, and PoE-out support to power office tools like printers and VoIP phones.

### Aruba Central

Microbranch SD-WAN and integrated cloud security services are delivered via Aruba Central, a cloud-native command center for all-in-one LAN, WLAN, VPN, and SD-WAN operations across remote, campus, branch, and data center locations. It is a unified network operations, assurance, and security platform that simplifies deployment, management, and orchestration. Utilizing AIOps, Zero Trust Security, and integrated help desk services, organizations embarking on or expanding work-from-home initiatives can use Aruba Central to accelerate delivery of services that enable mission-critical work from home.

### ClearPass Policy Manager

Aruba ClearPass provides complete visibility and role-based access control for IoT, BYOD, corporate devices, as well as employees, contractors, and guests across any multivendor wired, wireless and VPN infrastructure. ClearPass policies are enforced by the Aruba Policy Enforcement Firewall (PEF)—even for remote users.

### Optional: HPE Greenlake For Aruba

HPE GreenLake for Aruba is designed to offer Network-as-a-Service (NaaS) options from a scalable services platform.



## SUMMARY

Remote work is now a permanent part of many organizations. EdgeConnect Microbranch enables IT teams to deliver a seamless user experience, robust and secure connectivity, and comprehensive cloud-based management to hundreds or even thousands of remote workers. Built on Aruba's proven remote access point foundation, EdgeConnect Microbranch offers organizations the ability to extend advanced on-campus network services, such as SD-WAN and SASE services, to the small office, home office, and temporary location with just an access point. With these capabilities, organizations can unlock new use cases for the distributed workforce, including distributed contact center, telehealth, and even pop-up/mobile operations.

For more information, contact your Aruba sales representative or visit [arubanetworks.com/remotework](https://arubanetworks.com/remotework).