

ADTRAN Enterprise-Class

# WI-FI SOLUTIONS



## Benefits

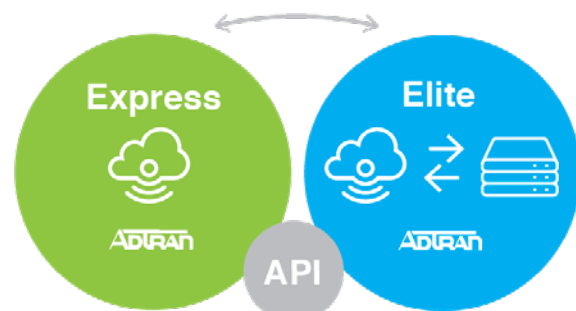
- 100% Cloud-Managed Wi-Fi without required subscriptions
- Powerful Enterprise-Class APs available at market disruptive pricing
- Zero touch AP provisioning and Zero IT setup in 5 minutes or less
- Machine learning-powered self-optimizing and healing technology
- Context-Aware Security and Firewall
- Seamless feature and service upgrades to match your unique needs and budget
- Scale from a handful of APs to thousands across multiple locations and customers

## Overview

**Whether a local attorney or doctor's office; hotel, motel or B&B; independent coffee shop or local branch of a global chain – micro and small businesses, medium and large distributed enterprises alike all expect fast, reliable Wi-Fi.** For many, it seems that enterprise Wi-Fi often comes with a compromise. If you want low costs, you often compromise on performance, having true enterprise-class functionality and support. If you want high performance, along with enterprise-class features and support, you can expect high costs and complexity. Simple cloud-managed solutions have emerged but they require expensive recurring subscriptions. ADTRAN Enterprise-Class Wi-Fi Solutions offer simple, robust, adaptable enterprise Wi-Fi connectivity and security without compromise.

With ADTRAN Express, every AP is a starting point – enabling you to think big and start small. Leverage the power and simplicity of 100% cloud-managed Wi-Fi, “right sized”, without required subscriptions. Combine that with high performance enterprise-class APs available at market disruptive pricing and machine-learning-powered self-organizing and healing technology – allowing you to get the network up and running quickly, keep it running smoothly and ensuring the best possible quality of experience.

Scale from a handful of APs to thousands across multiple locations and customers. Seamlessly upgrade to elevate the experience with Enhanced Support or upgrade to ADTRAN Elite including advanced features and unparalleled flexibility in deployments options. With ADTRAN Enterprise-Class Wi-Fi Solutions, you can create an experience to best fit the unique needs and budget of your organization.



# WI-FI SOLUTIONS

## Feature Comparison

Express Cloud	Elite Cloud or On-Premises
Centralized Cloud-Management	Everything in Express +
Real-time/Historical Reporting and Analytics Dashboard	Advanced Guest Manager <ul style="list-style-type: none"> <li>• Lobby Ambassador</li> <li>• Sponsored/Self Sponsored Accounts</li> <li>• Email/SMS Account Validation</li> </ul>
Zero Touch AP Provisioning	
Machine Learning-Powered Self Optimizing and Healing Technology	
Zero IT Setup	Wireless Intrusion Detection
Context-Aware Security and Firewall	Heatmaps for RF Planning and Rogue AP Location Tracking
MAC, PSK, 802.1X Authentication	RADIUS, LDAP/AD, SIP2 Web Authentication
Guest Access with Customizable Captive Portals and Walled Garden <ul style="list-style-type: none"> <li>• Enter Email Address or Username and Password</li> <li>• Click Through</li> <li>• Redirect to External Captive Portal</li> </ul>	Flexible Deployment Options <ul style="list-style-type: none"> <li>• Private cloud/on-premises w/ 1+1 High Availability and Zero Packet Loss Failover</li> <li>• Virtual Appliance (VMware/KVM)</li> </ul>
Seamless Layer 2 Mobility	Seamless Layer 3 Mobility

## Cloud Comparison

	Express Cloud	Elite Cloud	Elite Cloud +
7x24 monitored, geographically distributed, highly secure data centers	●	●	●
Customizable notification/alert templates	●	●	●
Automatic, scheduled, software/firmware and security updates	●	●	●
Access to Interactive Support Community	●	●	●
99.99% cloud uptime Service Level Agreement (SLA)		●	●
Access to World-Class Support via phone/web with 1 hour priority SLA	Optional Upgrade	●	●
Extended Warranty with next business day remote Advanced Hardware Replacement (AHR)	Optional Upgrade	●	● (Optional onsite)
7x24 proactive network monitoring, alerts, automatic ticket generation and problem resolution			●
Move, Add, Change, Delete (MACD) configurations			●
End user help desk	Optional Upgrade	Optional Upgrade	Optional Upgrade

## Product Specifications

### ADTRAN Express

#### 100% Cloud-Managed IT

- No required subscriptions or licenses
- No installation or management of on-premises controller or software

#### Powerful Enterprise-Class APs

- Available at market disruptive pricing 75% lower than typical enterprise-class APs and licenses

#### Deployments Made Simple

- Zero Touch AP Provisioning
  - ◆ APs automatically discover the cloud, download firmware, and configuration.

#### ■ Zero-IT Setup

- ◆ Enjoy a fully functional employee and guest network in 5 minutes or less with just a few wizard driven key strokes and mouse clicks

#### ■ Machine learning-powered Wi-Fi that just works

- ◆ Self-optimizing and healing technology
  - ◆ DynamicRF - Maximizes performance and adapts to interference by learning about the RF spectrum and automatically adjusting optimal radio settings
  - ◆ DynamicSteering - Automatically steers clients to the best AP or radio within an AP to provide the best possible quality of experience, provides load balancing and prevents "sticky Wi-Fi clients"
  - ◆ DynamicMulticast - Prevents multicast traffic typically sent at low data rates from impacting overall performance by learning about traffic patterns and automatically adjusting optimal multicast settings

## Unmatched Visibility and Insight

- Web-based HTML 5 admin interface enables centralized management of the WLAN from any device, anywhere in the world.
- Multi-tenanted tiered admin access allows support of multiple customers or sites, on a single instance and provides administrators with permissions to just those sites and the resources within them
- Customizable Dashboard Branding (Logo/Colors)
- Real-time and historical reporting and analytics dashboards
- Complete RESTful web services API for automation, orchestration and analytics

## A “Right Sized” Feature Set

- Focused on robust enterprise connectivity and security
- Seamless upgrades to ADTRAN Elite features and flexible deployment options

## Context-Aware Security and Firewall

- Role-Based Access Control with L7 Device Fingerprinting allows you to define group policies based on multiple contexts including user credentials, device type, ownership of device (company owned or bring your own device (BYOD)), location and schedule

## Seamless Layer 2 Mobility

## Every AP is a Starting Point

- Scale from a handful of APs to thousands across multiple locations and customers

## Remote Site Survivability

- APs continue to function if the connection to the ADTRAN cloud goes down

## Interactive Support Community

- Optional upgrades to enhanced support and extended warranty with advanced hardware replacement

## ADTRAN Elite

### Everything in Express +

- Includes everything in ADTRAN Express plus more

### Advanced Features

- Advanced Guest Manager
- Advanced authentication methods
- Wireless Intrusion Detection (W-IDS)
- Heatmaps for RF planning and rogue AP location tracking
- Seamless Layer 3 mobility

### Flexible Deployment Options

- ADTRAN cloud or yours

### Enhanced Support and Extended Warranty

- Cloud and Support SLAs
- Advanced hardware replacement

## Ordering Information

### 1. Choose Your AP (Includes Access to Express Cloud and Interactive Support Community)

Equipment	Part No.
<b>Single Pack</b>	
AP 2020, 11AC, 2X2, Internal Antenna	1700945F1
AP 2030, 11AC, 3X3:3, Internal Antenna	1700948F1
AP 2035, 11AC, 3X3:3, External Antenna	1700949F1
AP 2135 OUTDOOR, 11AC, 3X3:3 External Antenna	1700962F1
AP 3040, 11AC, 4x4:4, Internal Antenna	1700965F1
AP 3045, 11AC, 4x4:4, External Antenna	1700966F1
<b>3 Pack</b>	
3 PACK AP 2020	4700945F3
3 PACK AP 2030	4700948F3
3 PACK AP 2035	4700949F3
3 PACK AP 2135	4700962F3
3 PACK AP 3040	4700965F3
3 PACK AP 3045	4700966F3

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## 2. Upgrade to Enhanced Support/Extended Warranty

Warranty Option	Part No.
Phone Support	
ProCare 1 Year Basic Maintenance for 1 Access Point for use with Elite On-Premises Perpetual License or upgrading Express Cloud from community support.	1100AMWIF1M1T1
ProCare 3 Year Basic Maintenance for 1 Access Point for use with Elite On-Premises Perpetual License or upgrading Express Cloud from community support.	1100AMWIF1M1T3
Phone Support and Advanced Hardware Replacement	
ProCare 1 Year NBD Remote Maintenance for 1 Access Point for use with Elite On-Premises Perpetual License or upgrading Express Cloud from community support. Includes support and next business day advanced hardware replacement.	1100AMWIF1M2T1
ProCare 3 Year NBD Remote Maintenance for 1 Access Point for use with Elite On-Premises Perpetual License or upgrading Express Cloud from community support. Includes support and next business day advanced hardware replacement.	1100AMWIF1M2T3

## 3. Upgrade to to Elite

Elite Option	Part No.
Elite Cloud	
Elite Cloud 1 Year Subscription for 1 Access Point. Includes: Elite Cloud, ProCare support, software/firmware updates, next business day advanced hardware replacement.	1100MSPH200112
Elite Cloud 3 Year Subscription for 1 Access Point. Includes: Elite Cloud, ProCare support, software/firmware updates, next business day advanced hardware replacement.	1100MSPH200136
Elite Cloud 5 Year Subscription for 1 Access Point. Includes: Elite Cloud, ProCare support, software/firmware updates, next business day advanced hardware replacement.	1100MSPH200160
Elite On-Premises (Requires ProCare Support from Step 2 above)	
Elite On-Premises Perpetual License for 1 Access Point. Requires ProCare support.	1951901G1



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ISO 9001  
ISO 14001  
TL 9000