

Connectivity **Made Easy**



MOBILE OFFLOAD

HOSPITALITY

CARRIER WiFi

BYOD

ANT *labs*

ANTlabs makes GLOBAL connectivity easy.

I already have a wireless infrastructure setup. How do I maximize my returns?

*My hotel guests are bringing too many devices into my network.
How do I manage them?*

*I allow my staff to use their own tablets and smartphones at work.
How do I enable that without compromising our network security?*

*My subscribers are facing mobile data congestion in malls, trains and stadiums.
How do I solve it?*

How can I let my office guests connect to the Internet by themselves?

We understand your issues and concerns. We provide you the solution.

Reliability

High availability,
Multi-WAN,
Anti-DoS

Zero Configuration

IP, GW, DNS, Proxy,
Proxy port etc

High Performance

Large user count,
Multi-Gbps
throughput

Tiered Services & Pricing

Differentiated QoS,
Accounting, Price

Flexible Account Provisioning

RADIUS, Accounting,
Roaming, Credit
card, etc.

InnGate 3

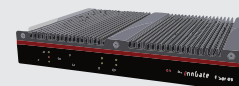


The InnGate is designed to support the needs of visitor-based networks such as hotels, waiting rooms, conferences and business centers. It is an all-in-one gateway targeted at the hospitality industry (monetize existing Internet services and maximize limited bandwidth).

Model	E-Series	G-Series
Max User License	2,000	4,000
Max VLANs	1,000	1,000
Max Throughput	946 Mbps	946 Mbps
Max PPS	130,000	160,000

For medium to large hotels or properties

IG 3100



IG 3100 is an all-in-one gateway ideal for smaller properties such as **100-150-room hotels**, healthcare facilities and many more. It is the full-featured gateway that lets you start small and pick only the features that you need for your network.

Model	IG 3100
Max User License	400
Max VLANs	300
Max Throughput	450 Mbps
Max PPS	50,000

For small hotels or properties

SSG 4



The SSG is designed to meet the connectivity service needs of Telcos and ISPs. It is the ideal carrier-class solution for deploying large-scale broadband networks with hundreds of thousands of subscribers.

Model	4100	4200	4300
Max User License	2,000	10,000	20,000
Max VLANs	256	1,000	2,000
NIC	1GE	10GE	10GE

For Telcos and Internet Service Providers

SG 4



SG 4 enables large venue owners to manage their own network easily with self-service account provisioning, multiple authentication methods, and traffic management.

Model	4200	4300
Max User License	10,000	20,000
Max VLANs	2,000	2,000
Max Throughput	974 Mbps	974 Mbps
Max PPS	160,000	160,000

For large venues

Tru'Auth 3



Tru'Auth is the ideal AAA solution for Telco, ISP and service provider environments, enabling them to effectively and quickly **deploy tiered and differentiated services**, across combinations of WiFi, 3G/4G and broadband networks. It can be used for provisioning and billing of dynamic and permanent user accounts and authentication, authorisation and accounting of these accounts.

This series includes: RADIUS, CMS, AC, MAP and ADC

For Telcos and Internet Service Providers

Peripherals



EVI 2100

The Ethernet Virtual Interface (EVI) is a network device that extends a unique network interface at the remote site to provide zero-configuration networking support over a Layer 3 routed network.



Account Printer

The user account printer provides hospitality establishments a quick and easy way to generate Internet access accounts for guest with a touch of a button.

RADIUS (AAA Policy Server)

Model	3100	3200	3300
Subscribers	100K	500K	2M
Login Subscriber Sessions*	100K	500K	1M
TPS*	100	500	1000
DB Records	500K	2.5M	10M

CMS (Central Management System)

Model	3200	3300
CDR	1.5B	4.5B
DB Records	100M	1B

AC (Access Controller)

Model	3100
Sessions	250K
Max VLANs	1K
NIC	1GE

MAP (Message Application Part Gateway)

Model	3200
TPS	500

ADC (Application Delivery Controller)

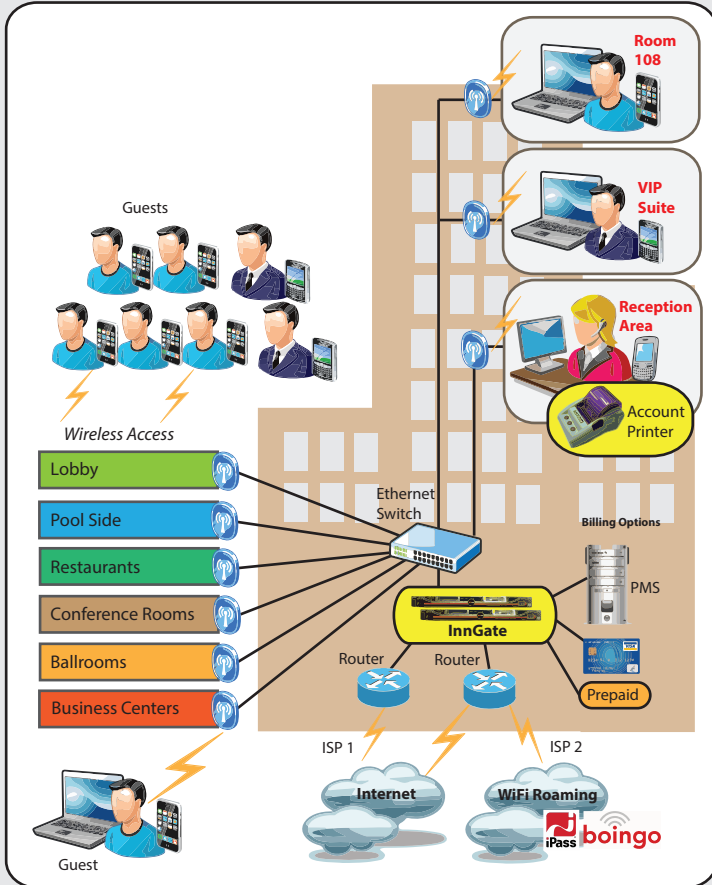
Model	3200
TPS	50K

**CMS Required*

Hospitality



**Hotels, Cafes,
Resorts, Restaurants**



● Tight Integration to Hospitality Ecosystem

More than 15 supported PMS (2 way, TCP/IP)
Complete itemized hotel bill, guest messages
Online Express check-out

● Zone Management for Different Business Models

Multi-Portal support
Concurrent authentication modes: Complimentary, Access Code, Room ID
Different billing modes: PMS, Credit Card, Prepaid
Roaming restrictions across zones

● Patented Zero-configuration “Single Guest, Multi-device” Support

Transparent re-login
Mobile device support
Configurable devices count, shared bandwidth per guest

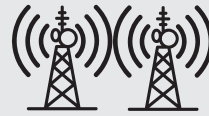
● Better Guest Experience

Guaranteed bandwidth for conferences
Prioritizing Premium guests over Complimentary users
Guest QoS, traffic shaing during congestion
Multi-WAN aggregation and reliability

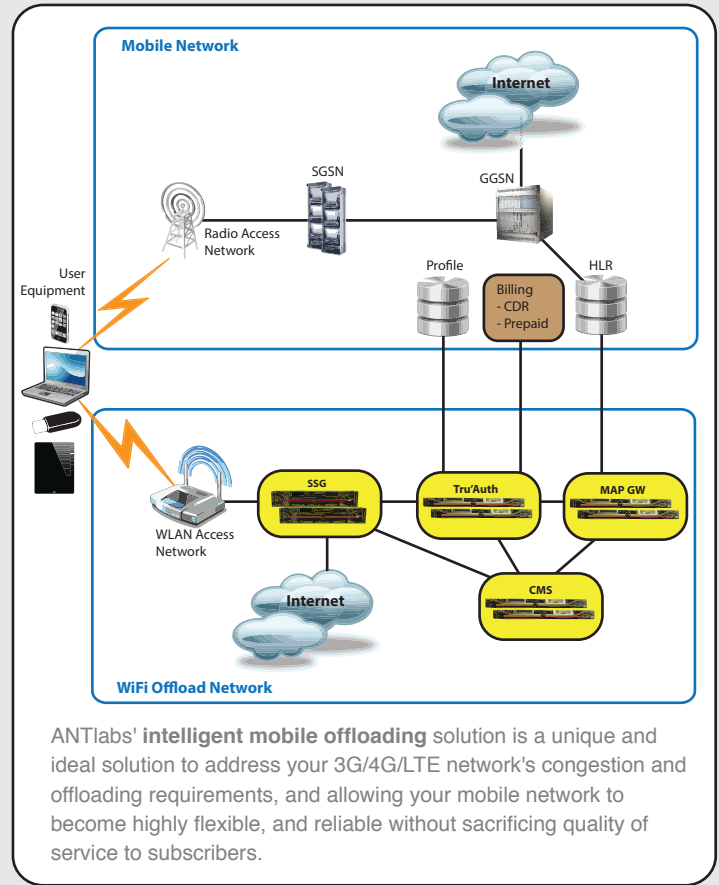
● Worldwide Faster Turnaround Time, Better Service

24 x 7 NBD onsite hardware servicing, firmware recovery
24 x 7 support helpline

Mobile Offload



**Malls, Stadiums,
City-wide WiFi**



ANTlabs' **intelligent mobile offloading** solution is a unique and ideal solution to address your 3G/4G/LTE network's congestion and offloading requirements, and allowing your mobile network to become highly flexible, and reliable without sacrificing quality of service to subscribers.

● One-stop Mobile VAS Manager

Easy subscriber provisioning
Service sign-up, status
Location-based content subscription

● AAA and Policy Management

Time and/or Volume-based subscriber policies
Quota Management
Session Management
Billing: Diameter, SOAP/XML, PCRF

● Authentication

EAP-SIM / AKA
Alternative authentication modes:
EAP-TTLS / PEAP / PAP, MAC-based with SMS OTP

● Intelligent Offload

Determine WiFi and BTS service quality
Connect user to better network service
Vendor-agnostic and clientless solution

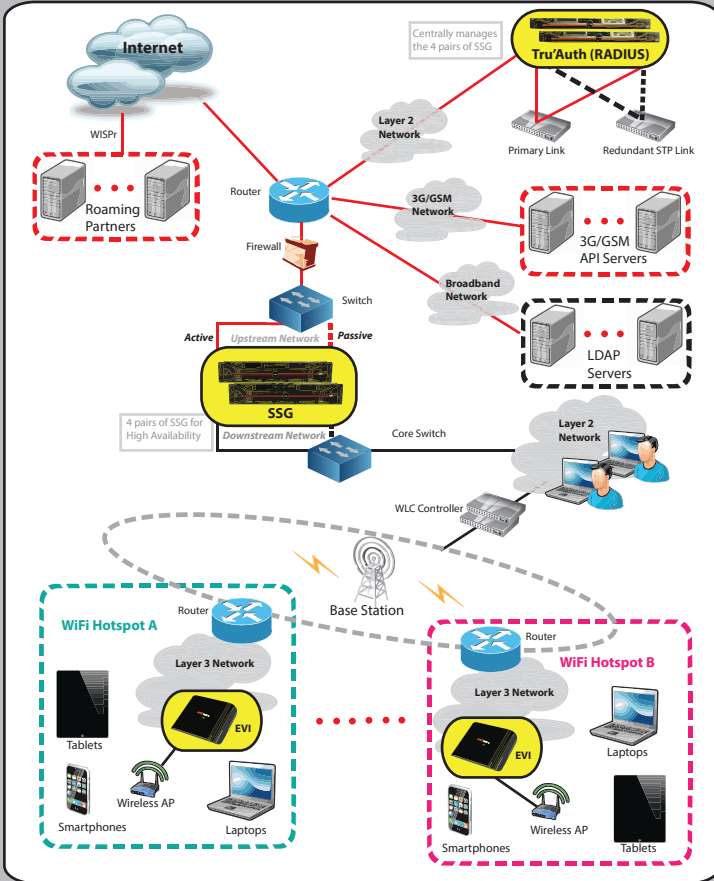
● Offload Service Delivery

Fair-use
Application-based traffic prioritization
Multi-tier QoS for tiered, differentiated services

Carrier WiFi



**Large Venues, Airports
& Transportation Hubs**



● Infrastructure Wholesale

Wholesale capability
Roaming aggregators support

● High Performance Policy Appliance

2 Million subscriber accounts per appliance
1 Million active sessions
1,000 TPS (sustained), 3,000 TPS (peak)

● High Capacity Service Gateway

250,000 local accounts
20,000 concurrent devices per gateway
4 x 10 GE support

● Centralized Management

Centralized account and policy management
Centralized monitoring, reporting and alerts
Subscriber session management across Service Gateways
Differentiated & tiered service
Flexible provisioning & authentication

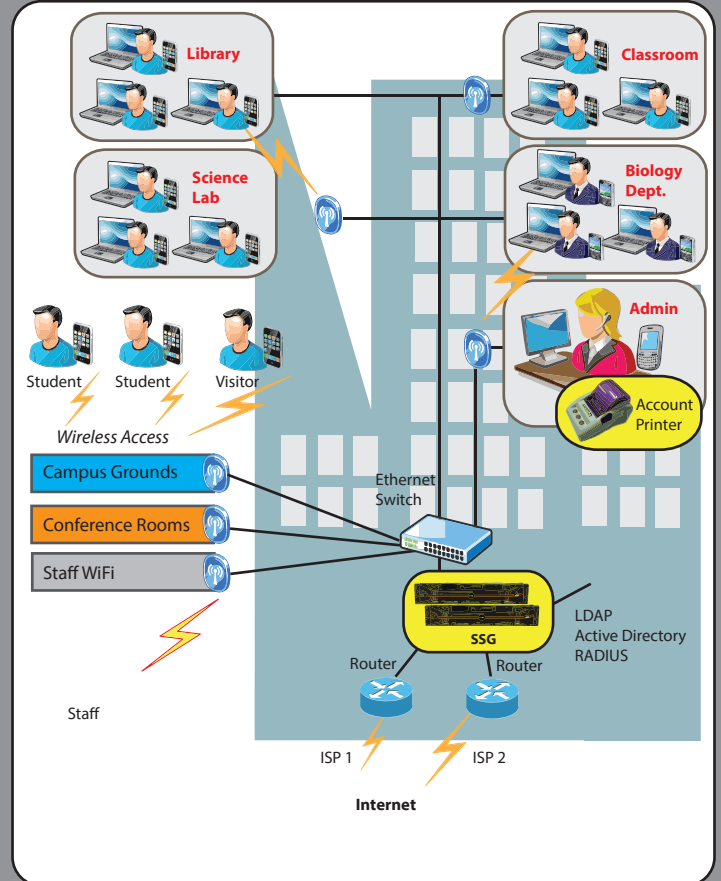
● Reliability

High Availability, real-time synchronization
Geo-redundancy
Anti-DoS Protection
Independent hardware board:
Remote KVM, hardware monitoring, alerts, remote power management

BYOD



**Corporate Visitor Network
Campuses**



● Easy Account Maintenance (Staff vs Visitors)

Visitor account creation via Account Printer
SSO for staff (LDAP / RADIUS / 802.1x / AD)

● Different User Profiles (Staff vs Visitors)

Different bandwidth policies for staff and visitors
Different firewall restrictions based on user type
Different usage duration based on visitor type

● Zero-configuration (for Visitors)

Public IP on demand (VPN support)
Support wired and wireless

● User Activity Tracking & Monitoring

Capture associated Login ID and MAC address with tracked data
Capture corresponding multi-WAN and NAPT details
Capture corresponding HTTP application details

● Highly Robust and Resilient Gateway

Anti-DoS protection
High Availability
Multi-WAN

ANTlabs A Leading Internet Business Enabler

ANTlabs is a proven technology solution partner for service providers' unique Internet business needs. As the Asia Pacific market leader for service gateways, ANTLabs provides award-winning technology solutions with main areas of focus on: **Mobile Offload, Carrier WiFi, Hospitality** and **BYOD**.

Our End-to-End Solutions with key patented technologies have enabled viable business models and faster ROI for our customers since 1999. This market leadership is a product of our strong in-house Agile R&D, which focuses on transparent networking technologies that are vendor-neutral, while seamlessly integrating and reusing the customer's existing network. This allows ANTLabs' solutions to offer a winning combination of cost-effectiveness, scalability and ease of deployment to its broad base of customers.

Telco / ISP Infrastructure

Our Service Selection Gateways and Value-Added IP Service Management Platforms have enabled Telcos and ISPs to enter the competitive market with great speed and confidence.

Hospitality

Our Hospitality solutions are a key business enabler for service institutions such as hotels and airports deploying High Speed Internet Access (HSIA) services for its guests.

Enterprise / Visitor-based Networks

ANTlabs is one of the leading network solutions providers for visitor-based networks and the growing enterprise security market, which includes BYOD.

Having more than ten international patents in USA, Europe, Japan, China and Singapore, technology leadership enables ANTLabs to compete in the big league. Our scalable solutions have Telco-grade reliability and enterprise-grade technologies that would meet current and future demands, and have been proven in large-scale Local Area Network and Metropolitan Area Network deployment over the years.

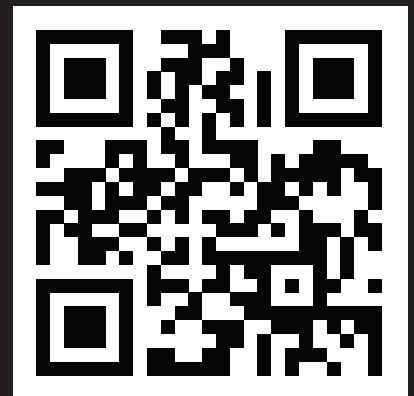
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