

**Tru'Auth** is a proven, scalable, highly reliable and flexible AAA and provisioning system to meet the requirements of the most demanding and diverse operating environments. It enables Telcos, ISPs and Service Providers to roll out new and innovative services on their WiFi, mobile and broadband (xDSL/cable) networks.



## Standard Features

### Template-based Account Type Definitions

- Time-limited account
- Volume-limited account
- Time-and-Volume-limited account
- Automatic relogin of valid sessions

### Provisioning Capability

- Diameter PCRF
- Web-based Application Programming Interface (API)
- Short Message System (SMS) One-time Password (OTP)
- Account generation via Account Receipt Printer
- IP Pool Management

### Authentication Protocols

- PAP, CHAP, MS-CHAP, MS-CHAPv2
- EAP (SIM, AKA, TLS, TTLS, PAP, PEAP)
- MAC-based authentication
- Simulation of HLR for EAP-SIM authentication
- Customizable authorization methods

### Performance

- Up to 20,000 TPS Radius messages
- Up to 10,000,000 active login sessions and local provisioned subscriber accounts with external DB
- Up to 250K IP per IP Pool and up to 1,000,000 IP Pools

### Logs and Reports

- Accounting logs (searchable)
- Online user listing (searchable)
- Listing of failed login attempts
- IMSI to TIMSI to MSISDN mapping for reporting

### Proxy

- AAA Radius Proxy
- iPass / WISPr support
- Quota management for proxied authentication
- Centralized accounting for clearinghouse capability

### Administration

- Secure web-based administration
- Command line interface
- Audit log tracking

### Reliability

- High availability (automated failover with session synchronization)
- System snapshot backup and restore
- Web-based patch management

### Diameter / 3GPP Interfaces

- Gx Online provisioning interface to PCRF
- Gy Online charging interface to OCS
- SWm Interface with ePDG for UE authentication
- SWx UE authorization with HSS

### RFC Compliance

- RFC 2865 Remote Authentication Dial In User Service (RADIUS)
- RFC 2866 RADIUS Accounting
- RFC 2869 RADIUS Extensions
- RFC 2619 RADIUS Authentication Server MIB
- RFC 2621 RADIUS Accounting Server MIB
- RFC 1227 SNMP MUX Protocol and MIB
- RFC 2868 RADIUS Attributes for Tunnel Protocol Support (TPS)
- RFC 2867 RADIUS Accounting Modifications for TPS

### Related Systems

- Tru'Auth Central Management System (CMS)
- Tru'Auth Application Delivery Controller (ADC)
- Tru'Auth Message Application Part Gateway (MAP)\*
- Tru'Auth Access Controller (AC)\*

*\*Refer to separate datasheet*

## Specifications

Model	Tru'Auth RADIUS	
	3300	3400 *
Subscribers	2M	3M
Login Subscriber Sessions*	1M	1.5M
TPS*	1000	2000
DB Records (Searchable)	10M	10M
CDR Logs	500M	500M
Supported NIC Interfaces	10/100/1000BaseT	
Network Interfaces	2 x Service Port (bonded)	2 x HA Port (bonded)
Power Supply	Redundant 750W	Redundant 750W
Nett Weight	22.5 KG	22.5 KG
Dimensions	1U 436.6 (W) x 610.2 (D) x 86.4 (H) mm	1U 436.6 (W) x 610.2 (D) x 86.4 (H) mm
Remote Management	1 x Network Remote Management KVM Port	
Certifications	SCC, CNCA or CCC, CE, TUV, IECCE CB, KSA ICCP, NRCS, BSMI, NRTL, ACMA or C-Tick, ICES, VCCI, GS, GOST, SABS, KCC, FCC, ICT	

\* CMS Required

## Tru'Auth Related Systems

Model	Tru'Auth CMS		Tru'Auth MAP	Tru'Auth ADC	Tru'DB
	3200	3300	3200	3200	3300
Login Subscriber Sessions	x2	x2		-	10M
TPS	x2	x2	500	50K	-
DB Records (Searchable)	100M	1B		-	2B
CDR Logs	1.5B	4.5B			5B
Supported NIC Interfaces	10/100/1000BaseT				
Network Interfaces	2 x Service Port (bonded) 2 x HA Port (bonded)				
Power Supply	Redundant 750W	Redundant 350W	Redundant 350W	Redundant 350W	Redundant 750W
Nett Weight	16 KG	11.8 KG	11.8 KG	11.8 KG	22.5 KG
Dimensions	2U 436.6 (W) x 610.2 (D) x 86.4 (H) mm	1U 482.4 (W) x 612.6 (D) x 42.4 (H) mm	1U 482.4 (W) x 612.6 (D) x 42.4 (H) mm	1U 482.4 (W) x 612.6 (D) x 42.4 (H) mm	2U 436.6 (W) x 610.2 (D) x 86.4 (H) mm
Remote Manage,emt	1 x Network Remote Management KVM Port				
Certifications	SCC, CNCA or CCC, CE, TUV, IECCE CB, KSA ICCP, NRCS, BSMI, NRTL, ACMA or C-Tick, ICES, VCCI, GS, GOST, SABS, KCC, FCC, ICT				