

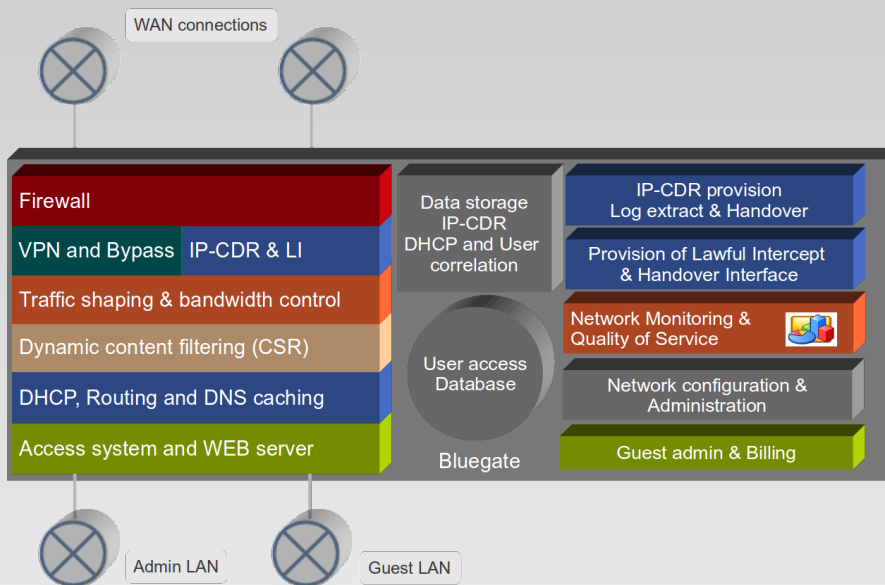


Bluegate Overview and use cases

Unispeed Bluegate All-in-one Network Appliance

The Unispeed Bluegate is designed to facilitate seamless installation and safe operation of commercial and public NAT networks.

The system is in use at a large number of SMB's, Hotels, Internet cafés, housing areas and public networks like airbases, schools, public transport and sporting arenas.



Featuring a fully integrated operating system the Bluegate can separately handle both the administration network the guest networks and Customer Information portals on a single device. The high performance gateway offers the customer more functionality than any comparable router/gateway. When installed with the Blue Shield data retention system. (IP-CDR) it fully complies with the European data retention act, and national lawful intercept (LI) requirements.

The comprehensive data retention system also accommodates for log retention of web traffic, e-mail correspondence, DHCP, DNS, syslog etc.

Storage and data retrieval systems are available on the unit together with automated secure log transfer capability to central data warehouse.

- ▶ Hotels - Conference Centers
- ▶ Housing areas - corporative
- ▶ Universities - Dorms
- ▶ Schools - Institutions

- Access control
- Guest administration
- Firewall
- Routing
- DHCP server
- DNS caching
- Shaping
- Filtering
- Compliance
- Data retention
- Web server
- QoS

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Farum Arena is a sport and cultural activity center hosting indoor sport tournaments, concerts and conferences.

The large arenas accommodates for more than 3000 spectators.

The entire area is covered by wireless Internet controlled by a single Unispeed Bluegate, which is responsible for delivering the guest net both during daily operations and during tournaments.

Bluegate acts as firewall, fair shaping and guest login / access system, and delivers regulatory compliance in accordance with the EU data retention regulative.

During WTA tennis-tournaments the advanced traffic filtering system embedded in the **Bluegate** ensures that on-line betting sites are blocked during live matches.



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Bredals parken is a housing corporative with more than 1600 apartments all supplied with high speed Internet access delivered by two Unispeed Blugates in a redundant setup.

Bluegate acts as firewall and router between the 12 public IP-addresses and 1600 private subnets supplied by a 300/300 Mbit fiber connection.

Regulatory compliance is facilitated by the embedded Bluegate data retention system which is both responsible for IP-CDR and retention of mail correspondence in accordance with the EU data retention directive



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Technical Specifications

Appliance	GW 2000	GW 4000	GW X210	GW X510	GW X710
Form factor	Embedded fan less	Embedded fan less	1U rack mount	1U rack mount	2U rack mount
Max Interfaces	2 GB RJ 45 & 4 port CU/Fiber expansion	4 GB X RJ45	2 GB RJ45 & 4 port CU/Fiber expansion	2 GB RJ45 & 4 port CU/Fiber expansion	2 GB RJ45 & 8 port CU/Fiber expansion
Max recommended concurrent users	400	300	1500	2500	4000
Throughput (Mbps)	100/100	80/80	300/300	500/500	800/800

Features

Firewall	Policies	Data retention	Management
<p>Support for: Multiple bridges & virtual bridges, multiple VLAN assignment</p> <p>Support for: L2TP VPN IPSEC PPTP UPNP Open VPN SSH reverse tunnel Port forward monitoring and rule check</p>	<p>Authentication: Radius, Kerberos, Multi domain, local / external DB, text message push</p> <p>QoS: Bandwidth throttling, fair shaping, user ban</p> <p>Filtering: DNS, IP, PORT, String filtering MAC, TCP pass through</p> <p>Alerting: Mail, SMS push</p>	<p>Retained protocols: IP-CDR, POP3, SMTP, IMAP, FTP, HTTP, DHCP DNS, Messaging, VOIP/SIP</p> <p>Data extract: DHCP, MAC/IP/Option82 IP-CDR (ETSI XML, CSV, Plain text) User login correlation</p> <p>Content intercept: Targeting options: IPV4, IPV6, MAC Number, Content string, MAIL-address</p>	<p>Landing page custom options: Company and third-party logo placement, Advertise placement, user announcement placing</p> <p>Data management: Log rotation Log indexing and compression Secure log transfer</p>