Barracuda **Load Balancer FDC**

High throughput load balancing optimized for applications in the modern data center.

- ☐ Security
- ☐ Storage
- ☑ **Application Delivery**
- ☐ Productivity

Modern data centers need fast and efficient load balancing of server traffic in the physical layer, where it can be handled more efficiently before it enters the application virtualization layer. **The Barracuda Load Balancer FDC leverages open technologies to avoid high cost, custom hardware to provide industry leading performance cost efficiently.**

The Barracuda Advantage

- High-performance platform designed for data centers
- Purpose-built for high throughput application delivery networks
- Simple and Intuitive web-based administration
- Backed by our live 24x7 customer support experts

Product Spotlight

- 40 Gbps throughput
- Fast load balancing for TCP and UDP traffic
- Part of Application Delivery Networking, which is a next generation data center architecture

Using Intel's world-class DPDK technology, Barracuda Networks has developed the Barracuda Load Balancer FDC, designed to give organizations full control of their network environments. Barracuda Load Balancer FDC is ideal for virtualized data centers. It provides scalability and high availability for websites and cloud services by monitoring the health of servers and evenly distributing server loads – all while maintaining session persistence and providing a seamless user experience if ever one or more servers become overburdened or unresponsive.

The Barracuda FDC allows organizations to decouple the application access control and application security from the front-end device, enabling the front-end device is solely focused on network traffic distribution. This allows the application to have access control and the application security to live closer to the application in the virtual environment.

Application Delivery Networking

Application Delivery Networking is an architectural vision designed to efficiently deliver and secure applications in the modern data center. A next generation firewall provides security and remote access. Then traffic is processed and load balanced efficiently in the physical layer first without the penalty of virtualization. Finally, applications are secured with a Web Application Firewall that co-resides with the application.

Availability

Using health and performance checks, the Barracuda Load Balancer FDC distributes traffic for efficient use of server resources. It employs advanced technologies for monitoring server and application health to reattribute traffic, ensuring optimal utilization of resources.

Performance

Leveraging modern and open technologies for packet processing, and without custom hardware modules, Barracuda Load Balancer FDC delivers high throughput load balancing at an industry leading price.

Technical Specs

Availability

- Layer 4 load balancing
- IPv4 / IPv6 support
- Active/Passive High Availability
- Default Load Balancing
  - Round Robin
  - Weighted Round Robin
  - Least Connection
- Adaptive load balancing by CPU load, URL load balancing
- IP-based persistance
- Server health check and monitoring

Network Security

- Layer 4 ACLs
- VLANs
- NATs

Supported Protocols

- HTTP/S
- SSH
- SMTP
- IMAP
- POP3
- NNTP
- ASP
- DNS
- LDAP
- RADIUS
- TFTP
- RDP
- Windows Terminal Services
- Any TCP/UDP application

Support Options

Energize Updates

- Firmware updates
- Application Security updates
- Standard technical support

Instant Replacement Service

- Replacement unit shipped next business day
- 24x7 technical support
- Hardware refresh every four years

Management Features

- Real-time traffic statistics
- Web-based management

MODEL T740	
CAPACITY	
Maximum Throughput	40 Gbps
Concurrent Sessions	10 million
Connections/second	750,000
HARDWARE	
Form Factor	2U Fullsize
Dimensions W x H x D (in)	17.4 x 3.5 x 25.5
Weight (lb)	46
Copper Ethernet NICs	8 x 10 GbE
AC Input Current (amps @ 120V)	3.6
FEATURES	
Layer 4 load balancing	●
IPv4 / IPv6 support	●
Direct Server Return	●
High Availability Cluster	●

Specifications subject to change without notice.