

# FireBrick FB6302 BGP/OSPF



Product Name: FireBrick FB6302 BGP/OSPF

Manufacturer: -

Model Number: FB6302

## FireBrick FB6302 BGP/OSPF

The FireBrick FB6302 BGP/OSPF is designed primarily for operating as a core / gateway router in a gigabit network, using BGP and/or OSPF. It is specifically designed to handle the load and BGP sessions of a small/medium ISP happily handling hundreds of BGP sessions as found when connecting to a peering point.

- Full gigabit capability making simple deployment - one pair of FB6302's typically deployed for redundancy.
- Very low power consumption (around 30W), dual PSU, 1U box. Save money on space and power in data centre.

## FireBrick FB6302 BGP/OSPF - Technical Specifications

### Licencing

Full features for one price, no per session licencing or other extra costs.

### Warranty

One year warranty on hardware against any manufacturing defect. Normal working hours / courier replacement. Recommended that two units are used together to provide hardware redundancy.

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On-going maintenance contracts available for extended hardware support beyond one year.

### Hardware

1U, dual AC 120/240V inlets (monitored), 2 internal fans (monitored), approx 30W total power consumption.

Multi-position 19" rack mount ears, with variation for hanging mount in shallow depth telco racks.

Power at rear, ethernet ports at front.

### Software upgrades

Free of charge, beta and released software. Internal flash holds last 10 versions with automatic fallback on crash/watchdog.

Reboot or software upgrade with clean shutdown of BGP, OSPF, VRRP, etc, for minimal disruption. Boot time under 1 second.

UK based s/w support team - email and irc support during office hours.

### Configuration

Configuration defined by an XML document according to a published XSD schema. The configuration may be uploaded and downloaded by HTTP (e.g. using curl). In addition the web interface contains an interactive configuration editor as does the command line interface.

Configuration changes are applied as seamlessly as possible when loaded without the need to re-boot.

### Command line interface

The command line provides a number of commands to provide viewing of BGP, OSPF, and BGP/OSPF data, as well as clearing BGP sessions and clearing BGP/OSPF tunnels and sessions. Includes tab completion and interactive help text.

The command line is available via telnet and ssh and serial connection.

### Ports

Two physical copper gigabit ethernet ports allowing 4096 VLANs on each. 10 independent routing tables which can be used with BGP and OSPF (ideal for management LAN, segregating customer traffic, walled garden and credit control LAN). Each port/VLAN can be attached to a specific routing table.

## Access control

Access lists of telnet, ssh, tftp, web, snmp. These can also be attached to an independent routing table for specific port/VLANs.

## Syslog

Syslog to external server with various levels of debugging data available. Logs also available live via command line interface.

## BGP

Full BGP functionality.

- Simple BGP setup with key peer types pre-defined using community tagging and filtering (e.g. transit, peer, internal, customer).
- IPv4 and IPv6 BGP sessions.
- IPv4 and IPv6 routing data.
- AS4 (32 bit) AS number support.
- IPv6 protocol 41 tunnel announcements using 2002::/16 next hop.
- Import and export filtering of routes, and route mapping to change community tags.

## OSPF

Not yet fully implemented.

## SNMP

SNMP (read only) support for a number of functions including interface stats for each port/VLAN in use.

## NTP

Simple NTP client to set clock for accurate logging with fallback via list of configured servers.

## DHCP/RA

DHCP client mode available, multiple instances. Also RA client for IPv6 addressing.

RA server for passive IPv6 address allocation to LAN.

## VRRP

IPv4 VRRP2 and IPv4/6 VRRP3 server.

- Multiple VRRP IP addresses per port/VLAN.
- Can use standard floating MAC address, or can use fixed per machine MAC with promiscuous ARPs as configured.
- Dynamic VRRP priority based on routability of a list of addresses, allows VRRP to only become master when external routing in place.
- Pingable VRRP addresses for easier diagnostics.

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**Please Enquire**

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