

## Accounting &amp; Routing Module (ARM)

## Product Description

The BlackDiamond 6800 series platform, equipped with the ARM module offers a powerful, flexible and easy-to-configure destination sensitive accounting capability ideally suited for IP carriers. Using the ARM module, IP carriers such as optical metro service providers and IP network service providers (e.g. IP backbone carriers) can differentially bill their customers based upon the destination of their IP unicast traffic.

## Key Features

- Enables billing based on destination of IP unicast traffic
- Up to 8 billing rates per customer
- IP route lookup based on Longest Prefix Match (LPM) algorithm
- Support for up to 245K IP prefixes with 6 equal-cost routes for each
- 4 Gbps of throughput
- Accounting statistics retrieval via SNMP or Command Line Interface (CLI)
- Support for up to 2 ARM modules per BlackDiamond chassis. Extendable to 4 ARM modules by Q3 2001.

## Specifications

### ExtremeWare Requirement

- 615b20\_IP\_SERV\_1\_1\_119 or most recent version

### Physical Specifications

- Occupies one slot in a BlackDiamond 6800 series chassis
- Module dimensions (H x W x D):  
1.6 x 15.1 x 16.0 in. (4.1 x 38.4 x 40.6 cm)
- Module weight: 5.25 lbs (2.81 Kg)
- Shipping box dimensions (H x W x D):  
3.25 x 21 x 20.25 in. (8.3 x 53.3 x 51.4 cm)

### Environmental Conditions

- Operating temperature: 0° to 40° C
- Storage temperature: -40° to 70° C
- Operating relative humidity: 10% to 95%, noncondensing
- Operating altitude: -200 to 15,000 ft (-60 to 4600 m)
- Storage altitude: 35,000 ft (11,000 m)
- Mean Time Between Failure (MTBF): 208,579 hours
- Power consumption: 83W

### Safety Compliance

- UL 1950 3rd Edition, Listed
- EN60950:1992/A1-4:1997+ZB/ZC Deviations
- IEC 950CB
- Low Voltage Directive (LVD)
- CSA 22.2#950-95
- AS/NZS 3260

### EM/EMC Compliance

- FCC CFR 47 part 15 Class A
- ICES-003A/C108.8-M1983 Class A
- VCCI Class A
- AS/NZS 3548
- EN 55022 Class A
- CISPR 22 Class A
- EN 50082-1:1997 includes ENV 50204
- EN 55024:1998 includes IEC 61000-4-2, 3, 4, 5, 6, 8, 11
- Low Voltage Directive (LVD)

### LED Indicators

#### Module:

- Status: green blinking (normal operation); amber blinking (error); off (no power)
- Diag: amber blinking (diagnostics in progress); solid amber (diagnostic failure); off (no diagnostics in progress)

## Ordering Information

Product Number	Description
53040	Accounting & Routing Module



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