

Product Description

The BlackDiamond 6800 series F96Ti module supports up to 96 10/100 BASE-TX ports via eight RJ-21 (Telco) connectors.

Key Features

- Industry leading 96 10/100 BASE-TX port density
- Up to 672 10/100 BASE-TX ports per BlackDiamond 6808
- Up to 1440 10/100 BASE-TX ports per BlackDiamond 6816
- Simplified cable management via use of standard RJ-21 connectors

Ordering Information

| Product Number | Description |
|----------------|---------------------------------------|
| 52012 | 96-port 10/100 BASE-TX module (RJ-21) |

Specifications

ExtremeWare Requirement

EW Version 6.1.8 or above

Standard Network Protocols

Ethernet: IEEE 802.3, 10BASE-TX
Fast Ethernet: IEEE 802.3u, 100BASE-TX
Link Aggregation: IEEE 802.3ad

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: 6.25 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 15,000ft (-60 to 4600m)
Storage altitude: 35,000ft (11,000m)
Mean Time Between Failure (MTBF): 215,007 hours
Power consumption: 141 watts maximum

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)

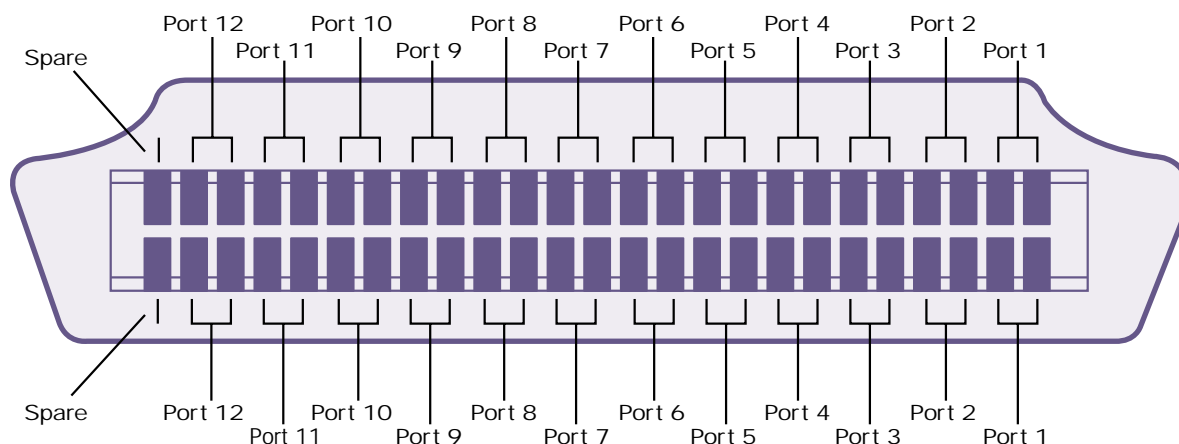
Port:

Status: solid green (link ok); amber (activity),
off (no link detected)

Connectors

The F96Ti has eight Lucent 525 Telco 50-pin RJ-21 connectors on the front.

Connector



RJ-21 Connector Pin-Out

| RJ-21 Pin# | Signal | RJ-45 Port# | RJ-45 Pin# | RJ-21 Pin# | Signal | RJ-45 Port# | RJ-45 Pin# |
|------------|--------|-------------|------------|------------|--------|-------------|------------|
| 1 | PO_R- | 1 | 2 | 26 | PO_R+ | 1 | 1 |
| 2 | PO_T- | 1 | 6 | 27 | PO_T+ | 1 | 3 |
| 3 | P1_R- | 2 | 2 | 28 | P1_R+ | 2 | 1 |
| 4 | P1_T- | 2 | 6 | 29 | P1_T+ | 2 | 3 |
| 5 | P2_R- | 3 | 2 | 30 | P2_R+ | 3 | 1 |
| 6 | P2_T- | 3 | 6 | 31 | P2_T+ | 3 | 3 |
| 7 | P3_R- | 4 | 2 | 32 | P3_R+ | 4 | 1 |
| 8 | P3_T- | 4 | 6 | 33 | P3_T+ | 4 | 3 |
| 9 | P4_R- | 5 | 2 | 34 | P4_R+ | 5 | 1 |
| 10 | P4_T- | 5 | 6 | 35 | P4_T+ | 5 | 3 |
| 11 | P5_R- | 6 | 2 | 36 | P5_R+ | 6 | 1 |
| 12 | P5_T- | 6 | 6 | 37 | P5_T+ | 6 | 3 |
| 13 | P6_R- | 7 | 2 | 38 | P6_R+ | 7 | 1 |
| 14 | P6_T- | 7 | 6 | 39 | P6_T+ | 7 | 3 |
| 15 | P7_R- | 8 | 2 | 40 | P7_R+ | 8 | 1 |
| 16 | P7_T- | 8 | 6 | 41 | P7_T+ | 8 | 3 |
| 17 | P8_R- | 9 | 2 | 42 | P8_R+ | 9 | 1 |
| 18 | P8_T- | 9 | 6 | 43 | P8_T+ | 9 | 3 |
| 19 | P9_R- | 10 | 2 | 44 | P9_R+ | 10 | 1 |
| 20 | P9_T- | 10 | 6 | 45 | P9_T+ | 10 | 3 |
| 21 | P10_R- | 11 | 2 | 46 | P10_R+ | 11 | 1 |
| 22 | P10_T- | 11 | 6 | 47 | P10_T+ | 11 | 3 |
| 23 | P11_R- | 12 | 2 | 48 | P11_R+ | 12 | 1 |
| 24 | P11_T- | 12 | 6 | 49 | P11_T+ | 12 | 3 |
| 25 | NC | NC | NC | 50 | NC | NC | NC |



3585 Monroe Street Santa Clara, CA 95051-1450 Phone 408.579.2800 Fax 408.579.3000

Email info@extremenetworks.com Web www.extremenetworks.com

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