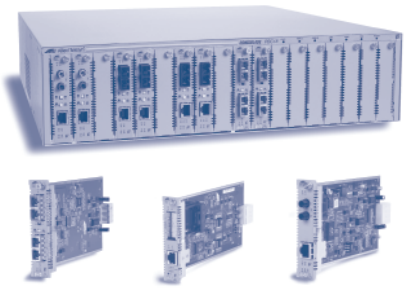

POWERBLADE™ SERIES

Modular/Manageable Media Conversion Blades & Chassis

THE POWERBLADE™ SYSTEM

Allied Telesyn's modular PowerBlade™ system delivers a flexible, high-density solution for the SNMP-managed media conversion requirement. Featuring an 18-slot technology-agnostic chassis/blade architecture, the PowerBlade system is suited to the mission-critical media conversion requirements of co-located installations for telephone companies and Internet Service Providers.

MEDIA CONVERSION BLADES

Designed to accommodate both existing and future technologies in the same chassis, the PowerBlade system enables the integration of new technologies into network designs for enhanced flexibility and investment protection. In addition to Gigabit Ethernet media and speed conversion via 2-port blade switches, the initial blades cover Ethernet and Fast Ethernet.

GBIC CAPABLE

The GBIC media conversion blade AT-PB1005G is designed to convert 1000T copper to 1000SX/LX fiber using AT-G8 series GBIC modules. The AT-G8 series offers the latest industry standard in flexible, full-duplex Gigabit Ethernet connectivity by extending distances from 220m to 70km. The modules hot-swappable fiber interfaces plug into the GBIC slot on Allied Telesyn GBIC compatible devices and extend networks to distances meeting your price-to-performance needs.

SYSTEM MANAGEMENT

PowerBlade operates as either an unmanaged chassis or fully manageable system. Management is provided through the addition of the SNMP* management module, which allows users to configure any installed media blade while monitoring all cable connections. Additionally, the management module monitors the operation of the fans and the internal chassis temperature and will notify users of potential faults before they become serious enough to disrupt operation. The management module does not occupy any of the media blade slots, therefore overall channel availability is not compromised by the management option.

*Graphical User Interface (GUI) available for CastleRock SNMPc

SYSTEM POWER & REDUNDANCY

Intended for mission-critical, high-availability operations, the PowerBlade system is designed for maximum redundancy. As well as supporting hot-swappable media blades for zero downtime, the PowerBlade chassis can accommodate an optional redundant AC power supply. A -48v DC powered version is also available to meet the special requirements of telephone companies and Internet Service Providers (ISP).

SYSTEM QUALITY

PowerBlade is built to the most stringent of quality standards. As well as meeting all of Allied Telesyn's own quality standards, the system is designed to meet all three levels of the Network Equipment Building System (NEB's) compliance standard.

KEY FEATURES

- Optional SNMP & Telnet management
- Designed to NEB's standards
- Hot-swappable slide-in blades
- -48vDC power supply option
- Redundant power supply option
- Auto-negotiation (Excluding AT-PB10 series)
- Half/Full-Duplex (Excluding AT-PB10 series)
- MissingLink™ (Excluding AT-PB15)
- Smart MissingLink™ (AT-PB1005G only)
- GBIC capable up to 70km (AT-PB1005G only)

POWERBLADE™ SERIES

Modular/Manageable Media Conversion Blades & Chassis

STATUS INDICATORS

PBC18 Chassis	PWR1, PWR2, Status, Link, 100M, FDX
Management Module	Link, Status, Power
Power Supplies	Power

CONNECTORS

PBC18 Chassis:	18 slots for media blades 2 slots for power supplies 1 slot for management module reset button
Management Module	1 RS232 port 1 RJ45 Ethernet port 1 MDI/MDIX switch reset button

POWER CHARACTERISTICS

AC PSU:	
Power In	110-240vAC, 50-60Hz, 150W
Connector	3 Pin IEC
DC PSU:	
Power In	-48vDC, 150W
Connector	2-way Terminal Block

Note: One Power Supply provides power for the chassis and all installed modules. Second power supply is redundant in case of failure.

ENVIRONMENTAL SPECIFICATIONS

Operating Temp.	0°C to 40°C (32°F to 104°F)
Non-operating/Storage Temp.	-25°C to 70°C (-13°F to 158°F)
Relative Humidity	5% to 95% non-condensing
Operating/Storage Altitude	3048 meters (10,000 feet)

PHYSICAL CHARACTERISTICS

Dimensions:	
PBC18 Chassis	439mm x 472mm x 112mm (17.3" x 18.6" x 4.4")
Management Module	152mm x 305mm x 32mm (6.0" x 12.0" x 1.3")
Media Blades	101mm x 191mm x 20mm (4.0" x 7.5" x 0.8")
Power Supplies	168mm x 305mm x 66mm (6.6" x 12.0" x 2.6")
Weight:	
PBC18 Chassis	9.1kg (20.1lbs) no PSU fitted
Management Module	.14kg (.3lbs)
Media Blades	.23kg (.5lbs)
Power Supplies	1.6Kg (3.5lbs)

ELECTRICAL/MECHANICAL APPROVALS

Safety	UL1950, CSA22.2 No.950, TUV EN60950, EN60825, & CE
Emission EMI/RFI	FCC Class A, EN55022 Class A, EN55024, EN61000-3-2, & EN61000-3-3

WARRANTY

PBC18 Chassis	limited lifetime (1 year on PSU and Fans)
Media Blades	Lifetime
Power Supplies	1 year

POWERBLADE™ SERIES

Modular/Manageable Media Conversion Blades & Chassis

ORDERING INFORMATION

AT-PBC18-00
18-Slot PowerBlade Chassis
1 blank PSU cover
17 blank front panel plates
19, 23 & 25 inch rackmount ears
(Power supply sold separately)

1000Mbps Media Blades
1000SX(SC) to 1000LX(SC)

AT-PB1001/1	10km
AT-PB1001/2	20km
AT-PB1001/3	40km
AT-PB1001/4	70km

1000Mbps Media Blades
1000T(RJ-45) to 1000SX/LX(SC)

AT-PB1005G 220m - 70km
(AT-PB1005G uses AT-G8 series GBIC modules. GBIC modules sold separately)

100Mbps Media Blades
100TX to 100FX

AT-PB101	(ST-MMF)
AT-PB102	(SC-MMF)
AT-PB103/1	(SC-SMF) 15km
AT-PB103/2	(SC-SMF) 40km
AT-PB103/3	(SC-SMF) 75km
AT-PB103/4	(SC-SMF) 100km
AT-PB301	(VF-45-MMF)
AT-PB302	(MT-RJ-MMF)

10/100 & 100Mbps 2-port Switch Blades
10/100TX to 100FX

AT-PB201	(ST-MMF)
AT-PB202	(SC-MMF)
AT-PB202/1	(SC-SMF) 15km
AT-PB202/2	(SC-SMF) 40km
AT-PB202/3	(SC-SMF) 70km
AT-PB202/4	(SC-SMF) 100km

10Mbps Media Blades
10T to 10FL

AT-PB13	(ST-MMF)
AT-PB14	(SC-MMF)

10T to 10Base2

AT-PB15	(BNC)

AT-PBPWRAC-xx

Power Supply
Where xx = 10 AC power supply, U.S. power cord
= 20 AC power supply, no power cord
= 30 AC power supply, U.K. power cord
= 40 AC power supply, Australian power cord
= 50 AC power supply, European power cord

GBIC MODULES

AT-G8SX
500m SX GBIC, based on 50 Micron fiber
220m SX GBIC, based on 62.5 Micron fiber

AT-G8LX10
10km LX GBIC, based on 9 Micron fiber

AT-G8LX25
25km LX GBIC, based on 9 Micron fiber

AT-G8LX40
40km LX GBIC, based on 9 Micron fiber

AT-G8LX70
70km LX GBIC, based on 9 Micron fiber

MANAGEMENT MODULE

AT-PBM02 SNMP management module

ACCESSORIES

AT-PBPNL1	Front blank panel
AT-PBPNL2	Power supply blank panel
AT-PBPNL3	Management blank panel
AT-PBRKMT-19	19 inch rack-mount ears
AT-PBRKMT-23	23 inch rack-mount ears
AT-PBRKMT-25	25 inch rack-mount ears

ABOUT ALLIED TELESYN
Allied Telesyn was founded in 1987 with the goal of producing reliable, standards-based networking products. Focused on Ethernet/IP solutions geared to applications, Allied Telesyn offers access-edge products like switches, fiber/copper MAPs, and CPE. We're also a leading global manufacturer of media converters, unmanaged switches, and NICs. Our customer-driven approach has made Allied Telesyn the ideal choice for IT professionals looking for high-quality, feature-rich network solutions at a lower price. Allied Telesyn – It's Our Network, Too.
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617-00396-00 Rev. E

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