IPITEK

INTEGRATED PHOTONICS TECHNOLOGY

ISO 9001 Registered

FIBER OPTIC HFC ACCESS

Features and Benefits

- **High density packaging - 21 operating modules in 4 RU of rack space & 210 modules in a standard rack**

- **Quick disconnect, hot swappable front loading modules and power supplies**

- **Choice of redundant AC, DC or AC/DC powering with full load sharing**

- **High efficiency hot swappable cooling system**

The AST System Chassis is an advanced design, universal platform for use with all of the components in the new AST family. System design provides optimum modularity and system flexibility. The chassis holds up to 21 AST operating modules, plus a dedicated slot for the AST-CMU management module. It also includes space for dual, hot swappable front loaded power supplies.

Fiber connections and module adjustments are all on the front of the modules, simplifying setup and operation. Fiber access is provided from either side of the of the chassis, as well as top or bottom. This allows efficient routing of fiber to the module connectors. Modules are recessed, allowing easy connection without danger of fiber bend.

The AST Chassis is universal, allowing any operating module, except the management module and the power supplies, to be operated any slot. These modules fit in unique, dedicated slots that do not accept any other module.

The AST System Chassis includes a multi-fan cooling system. The cooling system is designed so that blank covers are not required if the chassis is not fully provisioned. In the event of a failure, cooling elements can be replaced without taking the unit out of service.

Because AST is a full services platform, it is easily provisioned for Targeted Services Delivery operations where a 1:1 transmitter to node system is required. At the same time, the platform supports any type of forward or return operations with a complete line of 1310 nm DFB transmitters and forward or return optical receivers. There are no restrictions and any combination of units can be provisioned to meet any network requirement.

AST offers a wide choice of modules, including multiple types of transmitters, standard DFB and QAM forward and return transmitters, return receivers, RF switches and RFA amplifiers. All units operate within the same chassis in any arrangement and provide rapid removal or insertion through the use of blind mate RF connectors.

Need Additional Information?

For additional information and specifications of the AST power supplies, please see the data sheet "AST Power Supplies"

Contact IPITEK Customer Service for special or optimized use of the AST Chassis and powering system.

SPECIFICATIONS

AST Chassis

Dimensions: 7.0" H   x 19" W   x 16" D

178 mm   x 483 mm x 406 mm

Weight: 14.3 lb.   6.5 kg

Connectors: G to F

Environmental:

Operating Temperature: 0° to 50° C

Storage Temperature: -40oC to +85 C 24 hr

Humidity: 10 to 95 %   non-condensing

ORDERING INFORMATION

AST-CH	-	XX
AST Rack Mount Chassis		19 = 19" (48.3 cm) Rack Mount 23 = 23" (58.4 cm) Rack Mount

IPITEK

IPITEK reserves the right to modify product specifications without notice.

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