

RMT191

Remote Multiservice Terminal

Product Overview

The Allied Telesis Remote Multiservice Terminal (RMT)191 is a sealed cabinet that protects the Allied Telesis integrated Multiservice Access Platform (iMAP™) and associated equipment from water, dust and all other outdoor elements. The RMT191 cabinet is manufactured to Allied Telesis design parameters to insure the equipment will function under “worst case” conditions. Allied Telesis has designed many different sizes of cabinets, which lets service providers select an exact match for their needs, with the assurance that Allied Telesis can integrate the iMAP and associated equipment into the cabinet.

Capacity

The RMT191 accommodates one MiniMAP™ 9100 chassis. Each MiniMAP 9100 chassis supports the following services:

- ▶ Up to 72 active Ethernet FTTx
- ▶ Up to 24 10/100TX Ethernet ports
- ▶ Up to 72 GbE circuits
- ▶ Up to 72 POTS
- ▶ Up to 72 ADSL2+
- ▶ Up to 48 POTS with 24 ADSL2+ combo
- ▶ Up to 24 T1/E1 circuit emulation service
- ▶ Up to 192 GEAPON (32:1 split)
- ▶ Up to 72 VDSL2

Connectivity

Allied Telesis utilizes CAT 5 wiring specifically configured to optimize the delivery of ADSL2+ and VDSL2 for greater rate and reach results. The RMT191 incorporates this wiring plan when copper-based architectures are used to deliver xDSL-based services. Allied Telesis also has incorporated into the RMT191 the capability to support fiber-based architectures and the migration from copper to fiber architectures.

Flexibility

The RMT191 is a small footprint cabinet that can be mounted on pad, pole or wall. It is ideal for sparsely populated applications, MDUs, condominium applications and small business applications. The RMT191 comes with a battery back-up compartment and battery heaters. Options include pad-, pole- and wall-mounting kits, CAT 3 integrated cross connect and protection, CAT 5 optimized wiring integrated cross connect and protection and fiber termination shelves.

Reliability

The RMT191 is designed and built to meet Telcordia GR-487 standards. Battery compartments are sized to accommodate eight hours of battery backup based on maximum power usage design. DC power plants provide for redundant rectifier capability, battery monitoring, low voltage disconnect and thermal run away protection. The enclosure requires little, if any, maintenance for fans and filters.

Key Features

- ▶ Cabinet designed to GR487 standards for Outside Plant (OSP) deployments
- ▶ Integrated power supplies and Allied Telesis Multiservice Access Platforms
- ▶ Sealed design with efficient, low maintenance environmentally-controlled cooling
- ▶ Optional CAT5 wiring between all cabinet components

Specifications

Physical Characteristics

Dimensions (W x D x H) 55.88 cm x 45.72 cm x 101.6 cm
(22 in x 18 in x 40 in)
Weight 38.59 kg (85.07 lb)

Enclosure Mounting

Pad, pole, wall

Rack Mounting Space

The left front of the equipment-mounting bay has 6RU (10.5 inches) of 19" rack space.

Two swing out 19" racks are provided on the right side of the equipment bay for mounting up to four 50-pair protection/cross connect assemblies (200-pair capacity).

Each protection/cross connect swing out rack has 4U of 19" rack space (8U total). The equipment in this rack space is vertically oriented.

Hole Spacing on Racks

1.75 inch

Rack Widths

19 inch vertically mounted

Protect Field

200-pair maximum (with only one MiniMAP 9100 chassis capability, only 100-pair would be required)

Cross Connect Field

400-pair maximum in a one-to-one configuration only (with only one MiniMAP 9100 chassis, only 200-pair would be required)

Fiber Termination

96 fiber terminations maximum

Locking Mechanism

7/16" hex security quarter turn mechanism with padlock capability

The RMT191 includes:

ThermalPro Cabinets

1 x ThermalPro 60 (22" x 18" x 26") WxDxH
1 x Top cover plate for TP60
1 x Pedestal for TP60 w/battery cables and tie downs

AC Input Panels

1 x AC power center 60A w/30A gen con break. 8 breaker pos.
(3) 15A, (3) 20A single pole,
(2) 30A 2 pole breakers
1 x 6 pole, 2 row screw down terminal
1 x Convenience outlet, GFCI duplex 115V AC, 20A

Alarms

2 x Door alarm, 1 door
1 x Power loss alarm (relay)

Heat Exchangers

1 x 11 W/F, 48vDC heat exchanger
1 x Heat exchange fan control

Generator Inlets

1 x Generator hook up (Hubbel connector 30A, twist lock) male on cabinet
1 x AC surge suppression MOV

Battery Components

1 x Heating pad
1 x Sheet metal tray for TP battery heater

Fiber Splicing/Termination

1 x 24 fiber termination/splice shelf,
(12) SC/UPC adapters

Rectifier Systems

1 x Controller, rectifier with Ethernet port
1 x Shelf, 19" mid mount rectifier, w/ LVD
2 x Rectifier module, 10A
1 x 10 GMT fuse distribution panel e/w 3 GMT 5A fuses
1 x Temperature probe

Ordering Information

AT-TN-R053-A	10 amp rectifier module
AT-TN-R095-A	50 amp bullet breaker
AT-TN-R120-A	RMT191 cabinet with battery PED
AT-TN-R121-A	24 inch riser for RMT191
AT-TN-R142-A	Rectifier controller
AT-TN-R144-A	24 fiber termination/splice shelf
AT-TN-R145-A	72 fiber termination/splice shelf
AT-TN-R150-A	50-pair port panel and 100-pair cross conn panel
AT-TN-R151-A	60AH battery string