

RMT194

Remote Multiservice Terminal

Product Overview

The Allied Telesis Remote Multiservice Terminal (RMT)194 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 RMT194 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 let 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 RMT194 accommodates one iMAP™ 9810 chassis or up to three MiniMAP™ 9100 chassis.

Each iMAP 9810 chassis supports:

- ▶ Up to 192 active Ethernet FTTx
- ▶ Up to 64 10/100TX Ethernet ports
- ▶ Up to 192 GbE circuits
- ▶ Up to 192 POTS
- ▶ Up to 192 ADSL2+
- ▶ Up to 86 POTS / ADSL2+ using the combo card
- ▶ Up to 64 T1/E1 circuit emulation service
- ▶ Up to 512 GEAPON (32:1 split)
- ▶ Up to 192 UDSL

Each MiniMAP 9100 chassis supports:

- ▶ 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 RMT194 incorporates this wiring plan when copper-based architectures are used to deliver xDSL-based services. Allied Telesis also has incorporated into the RMT194 the capability to support fiber-based architectures and the migration from copper to fiber architectures.

Flexibility

The RMT194 is a cabinet that can be mounted on pad, pole or wall. It is ideal for moderate-density applications, MDUs, condominium applications and small business applications. The RMT194 comes with a battery back up compartment and battery heaters. Pad-, pole- and wall-mounting kits, protection systems and fiber termination shelves are optional.

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.

Reliability

The RMT194 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.

Technical Specifications

Physical Characteristics

Dimensions (W x D x H) 81.2 cm x 45.72 cm x 96.52 cm
(32 in x 18 in x 38 in)
Weight 63.64 kg (140 lb)

Enclosure Mounting

Pad, pole, wall

Rack-Mounting Space

17 rack units (29.75 inches)

Hole Spacing on Racks

1.75 inch

Rack Widths

19 inch or 23 inch

Protect Field

Up to 400-pair

Cross Connect Field

None

Fiber Termination

Up to 168 fibers

Locking Mechanism

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

The RMT194 includes:

Access Cabinets

1 x 17U-18 (32" x 18" x 38") WxDxH w/ rear panel access
1 x 18" access battery pedestal including battery cables and tie down

AC Input Panels

1 x AC power center 100A w/30A gen con break. 12 breaker pos.
1 x 6 pole, 2 row screw down terminal
1 x Convenience outlet, GFI duplex 115V AC, 20A

Alarms

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

Heat Exchangers

1 x 35 W/F, 48vDC
1 x Temperature switch, on/off

Generator Inlets

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

AC Surge Compression

1 x AC surge suppression MOV, 120/240V AC 40K amp

Battery Components

1 x Battery slide out heating pad and heating pad tray for access

Fiber Splicing/Termination

1 x 24 fiber termination/splice shelf, (1) (1)NTM-A, (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, 15A
1 x 10 GMT fuse distribution panel e/w 3 GMT 5A fuses
1 x Temperature probe
2 x AC power cord 10-AWG, 10 feet long
2 x 25A bullet breaker
2 x 10 feet rectifier alarm
2 x Alarm input cable
2 x 5A GMT fuse

Ordering Information

AT-TN-R027-A	30 amp bullet breaker
AT-TN-R031-A	25 amp rectifier
AT-TN-R095-A	50 amp bullet breaker
AT-TN-R135-A	100-pair protection CAT 5 wired
AT-TN-R136-A	100-pair CAT 3 wired protector
AT-TN-R142-A	Rectifier controller
AT-TN-R144-A	SPC 24 fiber termination/splice shelf
AT-TN-R145-A	SPC 72 fiber termination/splice shelf
AT-TN-R147-A	RMT194 cabinet
AT-TN-R150-A	100-pair CAT 5 wired protector
AT-TN-R151-A	60 amp hour battery string
AT-TN-R155-A	SPC 36 fiber termination panel