

### **System Introduction**

- Mini ONU Cabinet is one of small size Azmoon MSAN-1000 cabinet series which can be installed over the pole or mounted on the wall.
- The nominal system capacity is for 60 POTS service.
- It is suitable installed in rural, low population density residential, or Multi-Dwelling Unit (MDU) building, etc.
- This system have capability for offer Narrow-Band and Broad-Band Services.



### **System configurations**

Mini ONU can be used in Outdoor/Indoor access network with flexible configurations:

- Traditional DLC (COT-RT)
- V5 DLC (COT-RT, RT-only)
- NGN-Access Gateway (AG)
- DSLAM

### **System Services**

Mini ONU can be supported following services:

- Analog exchange services such as POTS, Payphone, ISDN-BRI, ISDN-PRI, and Analog Leased Line.
- Digital Leased Line TDM services such as Low Speed Data Leased Line, Nx64Kbps Data Leased Line, and Nx64Kbps Ethernet Leased Line
- Broad-Band Data IP-based services such as IP based broadband data, Services Broadband ADSL/2/2+ and Broadband G.SHDSL

### **System Transmission Media**

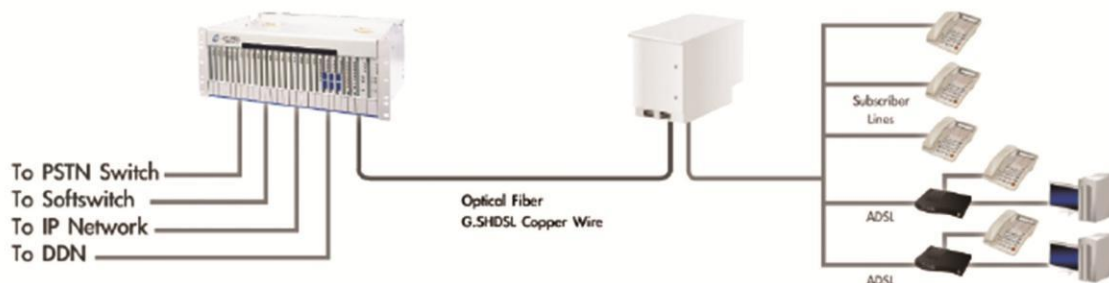
There are varieties of transmission media be used to transport traffic between COT and Mini-MSAN Remote Terminal, service provider could select the most suitable one to implement their access network.

Optical dark fiber with optical transceiver unit in system, such as STM-1/4, 100Base-FX, 1000BaseX

Copper Wire with SHDSL

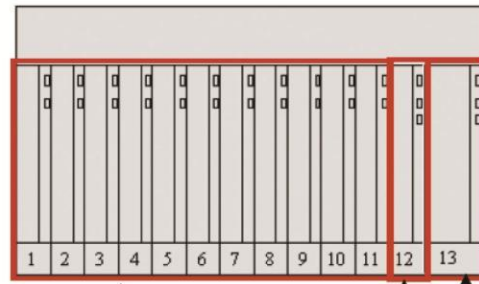
PDH/SDH network, Miniwave with E1 transceiver unit

Metro Ethernet network or Ethernet Wireless with Ethernet transceiver unit



### Mini ONU Capacity

- The system is combined by the CBA-s equipment (shelf) and the compact designed Indoor/outdoor cabinet (RSC-s).
- The shelf has 13 slots for inserted different cards into it based on different services to the customers.
- The Max. capacity of Mini ONU cabinet with different services is as below:
  - POTS/Payphone line: up to 60
  - ADSL/2/2+ line: up to 32
  - TDM SHDSL line up to 20



#### 11 Universal Slots

POTS/Payphone Line Unit, Data Service Unit, ADSL Line Unit, E1 Unit, Optical Transmission Unit, IP/ATM Mux Unit, Line Test Unit

#### 1 PSU Slots

System Power Supply Unit

#### 1 CPU Slots

### System Specification

#### Dimension

- Cabinet (RSC-s): 480 mm (H) x 280 mm (W) x 500 mm (D)
- Shelf (CBA-s): 176 mm (H) x 220 mm (W) x 320 mm (D)

#### Application

- Indoor & Outdoor (Wall Mounted & over the Pole)

#### Estimated Weight

- RSC-s: < 25kg, fully equipped with battery set
- CBA-s: < 5 kg , fully equipped

#### Environmental Condition

- Temperature: -5 to +65 °C
- Humidity: Up to 100% at 30 °C

#### Power Specification

- Power Input Range: 220VAC +/- 10%
- Max. Power Consumption: < 100Watts
- Backup Battery: 4 x 7AH or 4 x 12 AH

