

Reverse Multi Dwelling Unit

Managed Switch | Reverse PoE | Load Sharing | PSE 25W

ES-7226PoE



The **ES-7226PoE** is a RMDU (Reverse Multi Dwelling Unit) with eight GE ports. It uses RPU (Reverse Power Unit) powered by 7 PoE (PD) devices from PoE injectors at subscribers' homes. Dynamic load sharing occurs among the PD ports. It also provides one PoE (output PSE) connection to an ODU (5G Outdoor Unit) for Fixed Wireless Access (FWA) or a Fiber ONU, optimizing broadband uplink efficiency.

In addition to wire-speed switching among its GE ports, the **ES-7226PoE** supports comprehensive features, including port isolation, 802.1Q VLAN, IGMP snooping, QoS, Broadcast Storm Control, Loop Detection, Port Mirroring, etc. Additionally, it supports web-based, SNMP and TR069 over IPv4/6 networks.

KEY FEATURES

- **Reverse PoE Powered** : 7x PoE (PD) with dynamic load-sharing from PoE injectors at subscribers' homes
- **PoE Output**: 1x PoE 25W for 5G ODU or Fiber ONU
- **Wire-Speed Switching**: Full non-blocking bandwidth of up to 1 Gbps per port for high-speed business network applications
- **Full-feature Ethernet Switch**: Port isolation, 802.1Q VLAN, IGMP snooping v1/v2/v3, QoS, Broadcast Storm Control, Loop Detection, Port Mirroring
- **Comprehensive Management**: Local web-based, SNMP v3, TR069
- **IP52 Enclosure**: Fanless wall/pole-mountable design

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SPECIFICATIONS

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|--------------------------|---|
| Interfaces | <ul style="list-style-type: none">7x Passive PoE/PD-In RJ45 Ports (hot-plugging support)1x Passive PoE/PSE-Out RJ45 Port (hot-plugging support)LED Indicators: Green-color per RJ45 port, Dual-color for system status |
| Ethernet (7x PD) | <ul style="list-style-type: none">10/100/1000 Mbps Auto-NegotiationVoltage: 48-56 V (45W each, 45W total)PD Powering 4 Pair: Power up using any configuration +ve and -ve PoE pairsEach port should be capable of handling 45W power @ 55°C |
| Ethernet (1x PSE) | <ul style="list-style-type: none">10/100/1000 Mbps Auto-NegotiationVoltage: 48-56 V4 pair Powering (1,2,4,5 +ve & 3,6,7,8 -ve)Total Output Power: 25W |
| Network Medium | <ul style="list-style-type: none">10Base-T: UTP category 3, 4, 5 cable (maximum 100 m) EIA/TIA-568 100 Ω STP (maximum 100 m)100Base-TX: UTP category 5, 5e cable (maximum 100 m) EIA/TIA-568 100 Ω STP (maximum 100 m)1000Base-T: UTP category 5e cable (maximum 100 m) EIA/TIA-568 100 Ω STP (maximum 100 m) |
| Features | Port isolation, 802.1Q VLAN, IGMP snooping v1/v2/v3, QoS, Broadcast Storm Control, Loop Detection, Port Mirroring. |
| Management | Web-based, SNMP, TR069 |
| Enclosure | IP52, wall-mounted & pole mounted |
| Dimensions | 163.7mm(H) x 241.4 mm(W) x 51.9 mm (D) (without wall-mounted/pole mounted) |
| Certifications | CE, MTCTE |

ENVIRONMENT

| | |
|------------------------------|---------------------------|
| Operating Temperature | -20~ 55 degrees Celsius |
| Relative Humidity | 10 ~ 95% (non-condensing) |



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Product specifications and design are subject to change without notice.