

# RPU-7421

## FTTH 4FE+2VOIP+1CATV(RF) Ports Triple Play GEPON ONU



### Product Description

RPU-7421 EPON ONU is a FTTH bandwidth access equipment, widely applied in the "three into one" solution (integrated with Ethernet, VOIP and CATV). Based on mature and stable GEPON technology, it has powerful functions with high stability, sound QoS guarantee, comprehensive management and flexible networking construction, etc. RPU-7421's technology standard fully complies with ITU-T, IEEE, YDT and telecommunication technology standard.

It could be used with RAY local equipment OLT RPT-6000 to construct EPON system. It could provide three service access, meeting the end users' demands for surfing, telephone and video entertainment. It includes 4\*10/100M Ethernet ports, 2 POTS ports, 1 CATV RF port, 1 PON port, external power supply.

### Application

FTTH Solution with multiple service for family use.

### Features

Comply with IEEE802.3ah (EPON), China Telecom EPON technology standard V2.1.

Support IEEE802.3AH OAM function.

Maximum distance: 20km; Maximum splitting Ratio: 1:64(10km).

Support various service, such as Data, Voip and IPTV.

Support Dynamic Bandwidth Allocation technology.

### Voip Features

1. Voip module is adopted Infineon solo chip with high density SOC.
2. Support three kinds of VoIP protocol, H248/MGCP/SIP.
3. Support three types of compression calculation method ITU-T G711(64Kbps), G723.1(5.3Kbps/6.3Kbps), G729(8Kbps); A/u configuration available.
4. Support echo cancellation TTU-T G168-2002 with the longest echo cancellation 64ms.
5. Support three types of fax, such as transparent transmission under high/low speed mode, T30, T38.
6. Support Modem (56Kbps) dialing access.
7. Support DTMF detection and generation.

### CATV (RF) technical features

1. Working wavelength: 1550+/-10nm.
2. Optical Reflection Loss: >45dB.
3. RF frequency range: 54MHz~870MHz.
4. Typical RF output level: 90dBu.
5. CSO: >58dBc.
6. Output reflection loss: >14dB.
7. Output impedance: 75Ω.
8. Support output RL level detection.
9. Support CATV service cut-off function.
10. Support remote centralized management.