## RP-VC102CM
## Coaxial over VDSL2 Converter

RP-VC102CM is a Coax LAN Extender providing a broadband transmission up to 100/100Mbps for downstream/upstream over coaxial cable for point-to-point Ethernet connectivity. With 100/100Mbps data rate, RP-VC102CM supports transmission distance up to 700 meters and less data rate for 3km long range connection.    Users may also select a fixed data rate or a fixed SNR margin for different copper line ranging.

With plug and play features and minimum installation time, a pair of RP-VC102CM offers a cost effective solution for bandwidth-hungry applications such as video streaming and FTTB over coaxial cable.
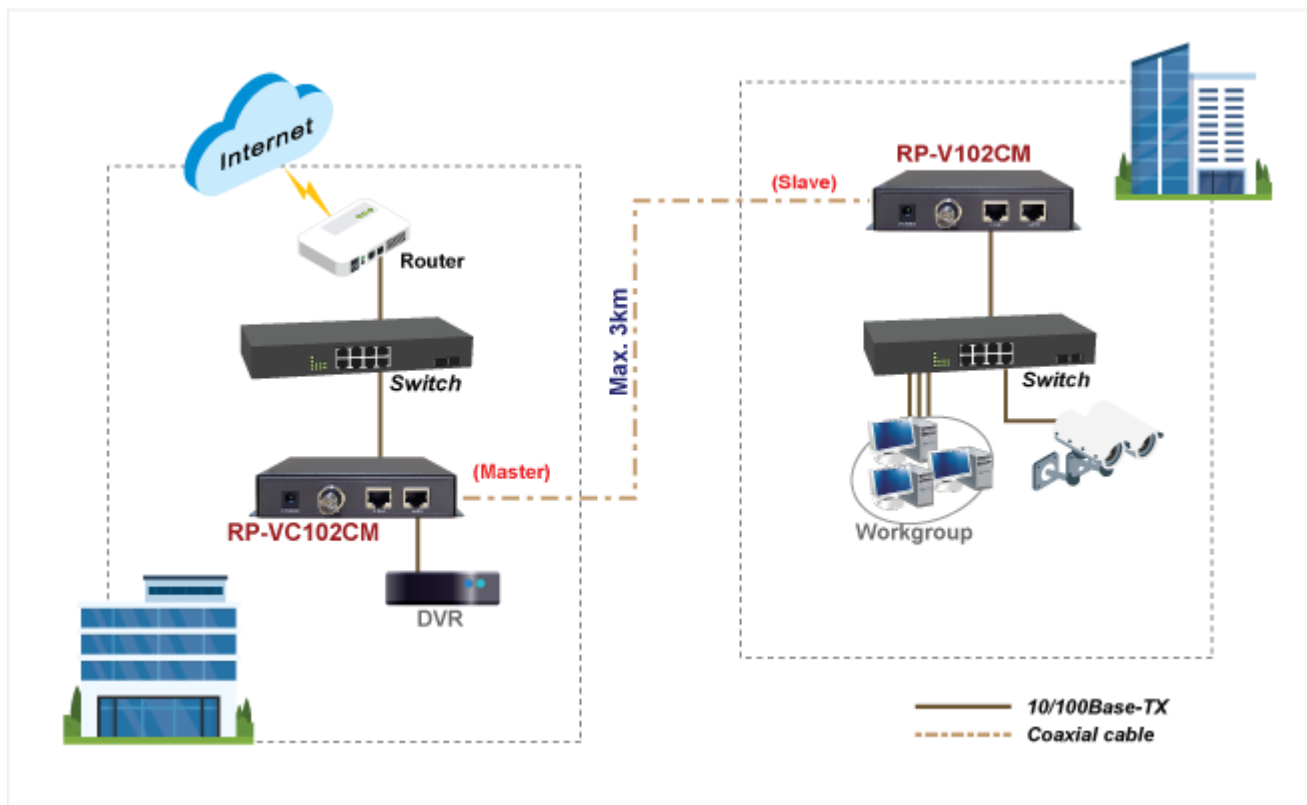
## Features

- 100/100Mbps for distance up to 700 meters
- Trellis Coding support up to 1024 Discrete Multi-Tone (DMT) bin
- Supports coax connection up to 3000 meters
- Selectable Fast and Interleaved modes
- Selectable fixed data rate and fixed SNR margin
- Auto MDIX for 10/100 BaseT Ethernet LAN Ports
- 4 Dip Switches for Master/Slave Configurations
- Low-Latency for Video/Voice/Data applications

# Specifications

| | |
|---|---|
| **Standard** | • IEEE802.3/IEEE802.3u standard<br>• Ethernet over VDSL2<br>• ITU-T G.993.1/2, SG15Q4 DMT Compliance |
| **Interface** | • 2 RJ-45 10/100Mbps Ethernet ports<br>• 1 BNC Connector for Ethernet over Coaxial cable<br>• DIP switch for mode selection |
| **Cable** | • RJ-45 (Ethernet): Category 3, 4, 5 UTP/STP<br>• BNC (DSL): Coaxial cable |
| **Coax. Transmission** | • ITU-T G.993.1/2, SG15Q4 DMT Compliance<br>• Trellis Code with 1024 DMT bins<br>• Max Data Rate: 100/100 Mbps |
| **LAN** | • Auto-Detection for 10/100 Base-T and Half/Full duplex<br>• High performance bridge for Ethernet extension<br>• Fully compatible with IEEE802.3/IEEE802.3u<br>• Auto MDIX Function |
| **LED indicators** | • Power, COAX, LAN1, LAN2,<br>• M/S(Master/Slave Selection ) |
| **Power Supply** | • External Power Adapter DC12V |
| **Environment** | • Operating Temperature: 0°C~ 50°C<br>• Operating Humidity: 5%~95% (Non-Condensing) |
| **Dimension** | • 120 * 90 * 28 mm |
| **Certifications** | • CE, FCC |
| **Data Rate & Distance** | (see table below) |

| Down Stream Data Rate (Mbps) | Up Stream Data Rate (Mbps) | Distance (feet) |
|---|---|---|
| 100 | 100 | 2100 |
| 100 | 60 | 2500 |
| 90 | 44 | 3000 |
| 80 | 36 | 4500 |
| 70 | 27 | 5500 |
| 60 | 18 | 6000 |
| 50 | 12 | 7500 |
| 40 | 10 | 8000 |
| 30 | 3 | 9500 |
| 20 | 0.5 | 10000 |

# Application



# Ordering information

**RP-VC102CM**      Coaxial over VDSL2 Converter