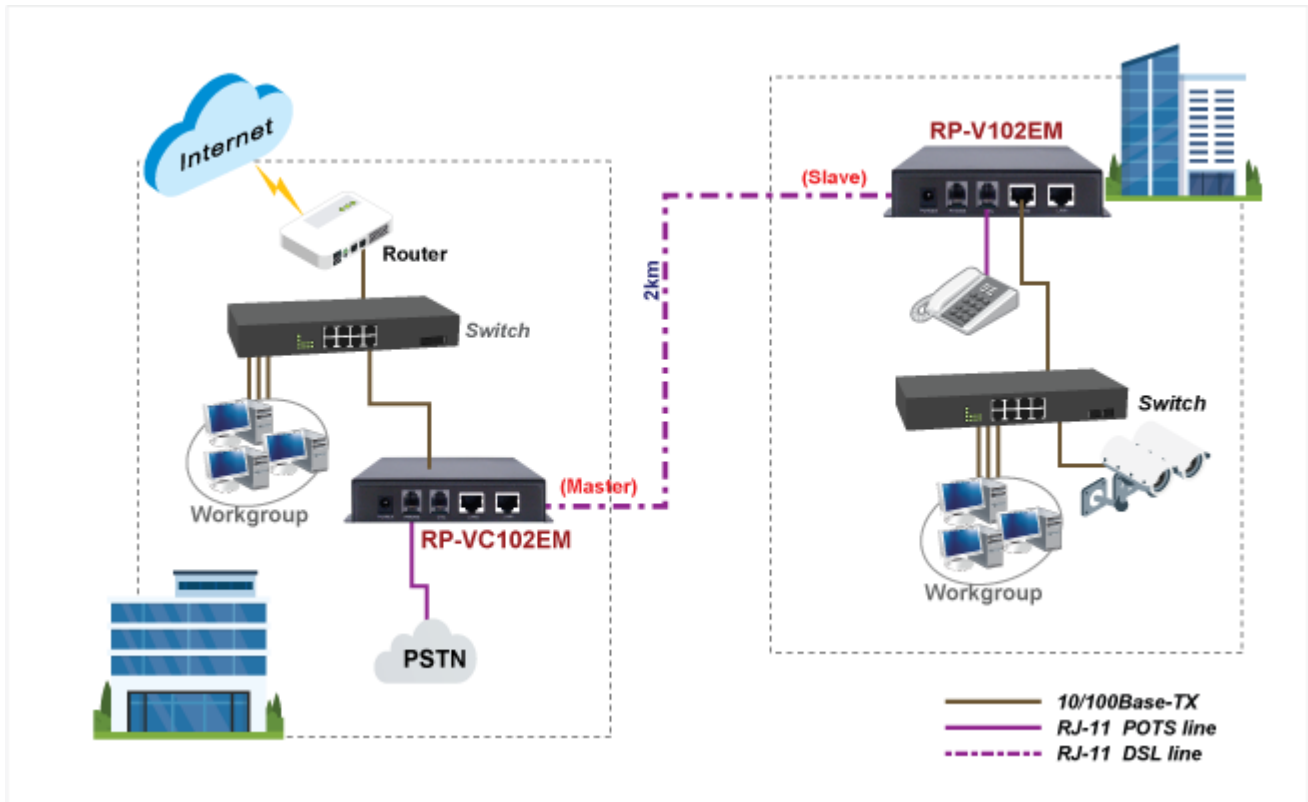


Specifications

| Standard | <ul style="list-style-type: none"> • IEEE802.3 standard • IEEE802.3u standard • Ethernet over VDSL2 • ITU-T G.993.1, G.993.2 VDSL2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|--|------------------------------|----------------------------|-----------------|-----|-----|------|-----|----|------|----|----|------|----|----|------|----|----|------|----|----|------|----|----|------|----|---|------|----|-----|------|----|-----|------|
| Interface | <ul style="list-style-type: none"> • 2 x RJ-45 10/100Mbps Ethernet ports • 1 x RJ-11 connector for EoVDSL2 • 1 x RJ-11 connector for POTS telephone connection • DIP switch for mode selection | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Network Media | <ul style="list-style-type: none"> • RJ-45 (Ethernet): Category 3, 4, 5 UTP/STP • RJ-11 (EoVDSL2): Twisted-Pair phone wire | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VDSL Transmission | <ul style="list-style-type: none"> • ITU-T G.993.1/2, SG15Q4 DMT Compliance • Trellis Code with 1024 DMT bins • Max Data Rate: 100/100 Mbps • RJ-11 Connector | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| POTS | <ul style="list-style-type: none"> • Optional Annex A, B, or C • RJ-11 Connector | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LAN | <ul style="list-style-type: none"> • Auto-Detection for 10/100 BaseT and Half/Full duplex • High performance bridge for Ethernet extension • Fully compatible with IEEE802.3/IEEE802.3u • Automatic MDIX Function • RJ-45 Connector | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LED indicators | <ul style="list-style-type: none"> • Power, DSL, LAN1, LAN2, • M/S(Master/Slave Selection) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Power Supply | <ul style="list-style-type: none"> • External Power Adapter DC12V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Environment | <ul style="list-style-type: none"> • Operating Temperature: 0°C~ 50°C • Operating Humidity: 5%~95% (Non-Condensing) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dimension | <ul style="list-style-type: none"> • 120 * 90 * 28 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Certifications | <ul style="list-style-type: none"> • CE, FCC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Data Rate & Distance | <ul style="list-style-type: none"> • Performance in AWG 26 Line at 6dB without rate limit <table border="1"> <thead> <tr> <th>Down Stream Data Rate (Mbps)</th> <th>Up Stream Data Rate (Mbps)</th> <th>Distance (feet)</th> </tr> </thead> <tbody> <tr> <td>100</td> <td>100</td> <td>1000</td> </tr> <tr> <td>100</td> <td>60</td> <td>1200</td> </tr> <tr> <td>90</td> <td>44</td> <td>1350</td> </tr> <tr> <td>80</td> <td>36</td> <td>1500</td> </tr> <tr> <td>70</td> <td>27</td> <td>1750</td> </tr> <tr> <td>60</td> <td>18</td> <td>2000</td> </tr> <tr> <td>48</td> <td>11</td> <td>2500</td> </tr> <tr> <td>39</td> <td>8</td> <td>3000</td> </tr> <tr> <td>35</td> <td>3.5</td> <td>3500</td> </tr> <tr> <td>28</td> <td>0.3</td> <td>4000</td> </tr> </tbody> </table> | Down Stream Data Rate (Mbps) | Up Stream Data Rate (Mbps) | Distance (feet) | 100 | 100 | 1000 | 100 | 60 | 1200 | 90 | 44 | 1350 | 80 | 36 | 1500 | 70 | 27 | 1750 | 60 | 18 | 2000 | 48 | 11 | 2500 | 39 | 8 | 3000 | 35 | 3.5 | 3500 | 28 | 0.3 | 4000 |
| Down Stream Data Rate (Mbps) | Up Stream Data Rate (Mbps) | Distance (feet) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | 100 | 1000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | 60 | 1200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | 44 | 1350 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | 36 | 1500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70 | 27 | 1750 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | 18 | 2000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 48 | 11 | 2500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39 | 8 | 3000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | 3.5 | 3500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | 0.3 | 4000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Application



Ordering information

RP-VC102EM Ethernet over VDSL2 Converter