RJ Connector

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Variants

RJ11   RJ45

Details

Product Overview:

An RJ11 connector is a standardized telecommunications connector commonly used for connecting telephone equipment, such as telephones, fax machines, modems, and DSL routers, to a telephone line. Here's an overview of the RJ11 connector:

1. **Appearance:** The RJ11 connector typically has four or six positions and is used with four or six-conductor telephone cables. It resembles a small rectangular plug with either four or six metal contacts arranged in a line.

2. **Size:** The RJ11 connector is smaller in size compared to other connectors like the RJ45 (Ethernet) connector, which is used for networking applications.

3. **Wiring Configuration:** The RJ11 connector can support either four or six wires, depending on the application. In a four-wire configuration, only two of the wires are typically used for telephone communication, while the remaining two may be unused or used for other purposes such as powering devices like caller ID units. In a six-wire configuration, all six wires may be used for various purposes, including telephone communication, power, or additional lines.

4. **Usage:** RJ11 connectors are commonly used in residential and small business settings for connecting telephones, fax machines, modems, and other telecommunications devices to a telephone line provided by a telecommunications service provider.

5. **Compatibility:** RJ11 connectors are compatible with standard telephone jacks, which are usually wall-mounted or surface-mounted outlets where telephone cables can be plugged in.

6. **Standards:** The RJ11 connector is defined by the Registered Jack standard (hence the "RJ" designation), which is maintained by the Federal Communications Commission (FCC) in the United States and regulated by various telecommunications standards organizations internationally.

7. **Color Coding:** In some cases, the wires within the RJ11 cable may be color-coded to facilitate proper connection. Common color codes include red and green for the primary telephone line and yellow and black for a secondary line or other purposes.

Overall, the RJ11 connector plays a fundamental role in telecommunications infrastructure, providing a standardized means of connecting telephony equipment to telephone lines.