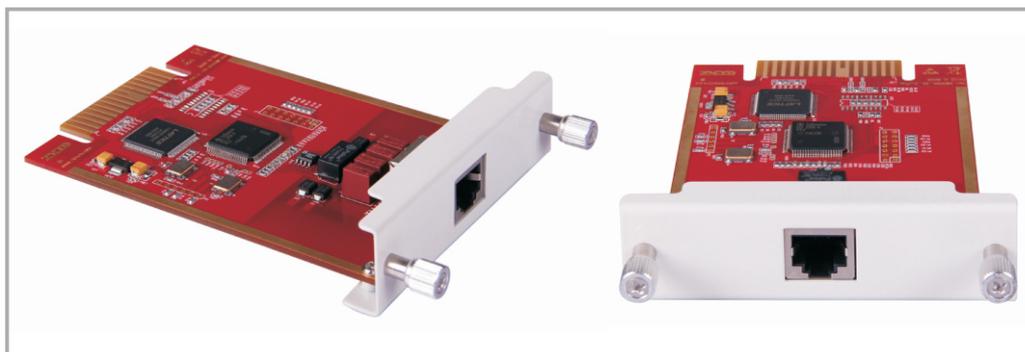




CooVox U50/U100 1PRI Module Datasheet



The Primary Rate Interface (PRI) is a standardized telecommunications service level within the Integrated Services Digital Network (ISDN) specification for carrying multiple DS0 voice and data transmissions between a network and a user.

PRI is the standard for providing telecommunication services to offices. It is based on the T-carrier (T1) line in the US and Canada, and the E-carrier (E1) line in Europe. The T1 line consists of 24 channels, while an E1 has 32.

PRI provides a varying number of channels depending on the standards in the country of implementation. In North America and Japan it consists of 23xB (B channels/be/s). In Europe and Australia it is 30xB + 1xD on an E1 2.048 Mbit/s. One timeslot on the E1 is used for synchronization purposes and is not considered to be a B or D channel.

Primary Rate Interface for large organisations with 30 bearer channels and 2xD (D channel (delta channel)) (23 64-kbit/s digital channels + 1 64-kbit/s signaling/control channel) on a T1 (1.544 Mbit (PRI)), for larger applications. Both rates include a number of B-channels and a D-channel. Each B-channel carries data, voice, and other services. The D-channel carries control and signaling information.

The Primary Rate Interface (PRI) consists of 23 64-kbit/s B-channels and one 64-kbit/s D-channel using a T1 line, often referred to as "23B + D", (North American and Japanese standard) or 30 B-channels and two D-channels using an E1 line (Europe/rest of world), often referred to as "30B + 2D". A T1 Primary Rate Interface user would have access to a 1.472-Mbit/s data service. An E1 Primary Rate Interface user would have access to a 1.920 Mbit/s data service. Larger connections are possible using PRI pairing.

1PRI module supports CooVox-U50/U100 IP Phone system with 1 PRI port. One port has four LEDs (Light-Emitting Diodes), which is assembled on the mainboard.



<p>The LED 1 indicates port status:</p> <ul style="list-style-type: none"> •Solid Red= Module loading success •Off= Module loading failure •Solid Green= NET signal •Off= No signal 	<p>The LED 2 indicates port status:</p> <ul style="list-style-type: none"> •Solid Red= CPE signal
<p>The LED 3 indicates port status:</p> <ul style="list-style-type: none"> •Solid Red= SS7 signal •Solid Green= Mfcr2 signal •Off= No signal •Green= Connected/ No alarm 	<p>The LED 4 indicates port status:</p> <ul style="list-style-type: none"> •Red= Disconnected/ Alarm

Notice: 1PRI module can not be inserted to SLOT 2 of U50.

Environmental Operation Information

- Temperature: 0-40 degrees Centigrade
- Humidity: up to 95%, non-condensing

Physical Dimensions

76x116 Millimeters

Certifications

CE/FCC/RoHS

