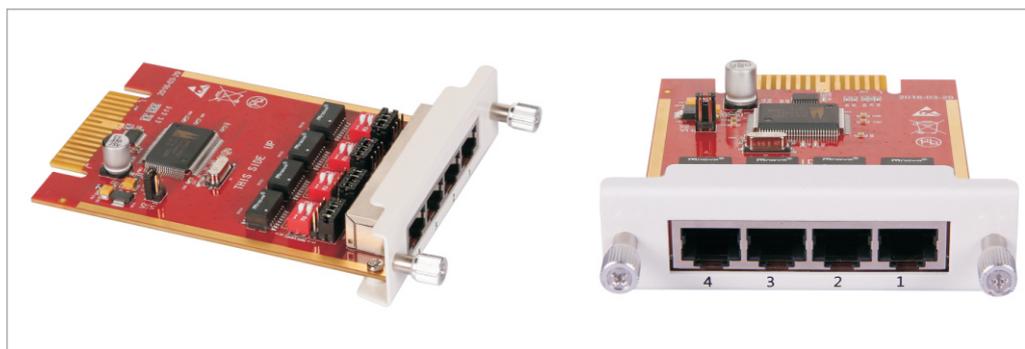




# CooVox V2 4BRI Module Datasheet



## ISDN Basic Rate Interface(BRI) overview

ISDN Basic Rate Interface (ISDN BRI) is a digital connection that provides three digital channels. These channels consist of two 64 kbps Bearer channels (B-channels) and one 16 kbps signaling channel (D-channel). This 2B+D connection is known as a Digital Subscriber Loop (DSL). The DSL can be configured to provide line access, trunk access, or packet data transmission.

Line Access provides a digital connection from a system ISDN BRI card to ISDN terminals that comply with CCITT, ANSI, ETSI NET-3 and ETS 300 403 (including EuroISDN), INS NET-64 (including Japan D70), National ISDN-1 (NI-1), 1TR6, and Numerics VN2 standards; examples of terminals are telephone sets, FAX machines, personal computers, and video display terminals.

Trunk Access provides Meridian Customer Defined Network (MCDN) TIE trunk connectivity between Large and Small Systems, QSIG ISDN BRI trunk connectivity, and CO/DID trunk connectivity to local exchanges that support Numeris VN3, 1TR6, ETSI NET-3 and ETS 300 403 (EuroISDN), INS NET-64 (including Japan D70), Australia ETSI, and Asia-Pacific protocols.

## General ISDN BRI capabilities

The most important capabilities of ISDN BRI are:

- For line access
  - simultaneous voice and circuit-switched data over a single DSL
  - B-channel and/or D-channel packet data transmission over a single DSL
  - multiple physical terminals connected to a single DSL
  - multiple logical devices associated with each DSL
  - diverse ISDN-compliant third party terminals (compliant with CCITT, ANSI, ETSI NET-3 and ETS 300 403, INS NET-64, National ISDN-1, 1TR6, Numeris VN2, and EuroISDN standards)
- For trunk access
  - MCDN ISDN BRI TIE trunk connectivity
  - QSIG ISDN BRI TIE trunk connectivity
  - CO/DID trunk connections to local exchanges that support Numeris VN3, 1TR6, ETSI NET-3 and ETS 300 403 (EuroISDN), INS NET-64 (Japan D70), Australia ETSI, and Asia-Pacific protocols



4BRI module applies to CooVox U80, U100V1 and U100V2 IP Phone systems. 4BRI module has four BRI ports, each port has one LED(Light-Emitting Diodes), which is assembled on the mainboard.

The **Red** LED indicates port status:

> Solid **Red**= TE Model

The **Green** LED indicates port status:

> Solid **Green**= NT Model

If the LED is off, the module is loading failure.

## Applicable Slot for BRI Module:

Model	Slot	Slot1	Slot2
CooVox U80		NO	YES
CooVox U100 V2		NO	YES
CooVox U100 V1		NO	YES
CooVox U50 V1		YES	NO



### Notice:

- New 4BRI module CAN be inserted ONLY to SLOT 2 of CooVox U80,U100V2 and U100V1; CAN be inserted ONLY to SLOT 1 of U50V1.
- Old 4BRI module CANNOT be inserted to CooVox U80 and U100V2.
- If you need use the new 4BRI module on CooVox V1, please adjust the jumper to V1.

## BRI Port Jumper Instruction

On ZYCOO 4BRI module, the jumper is on different position for 1/2 port & 3/4 port. The user should do the following to detect which position is applicable for local standard.

1. Connect the BRI module correctly and boot up the device
2. In GUI, set mode for the channels you need to work (Don't check EC when there's no EC).
3. Connect the line to 1/2, check if it's working properly or not
4. When it's working, then change jumper on 3/4 to 1/2 position
5. When it's not working, change jumper on 1/2 to 3/4 position

### Environmental Operation Information

Temperature: 0-40 degrees Centigrade

Humidity: up to 95%, non-condensing

### Physical Dimensions

76x116 Millimeters

### Certifications

CE/FCC/RoHS