
DIGITAL CONFERENCE SYSTEM

Full Digital Extension Main Unit

Technical reference for the BR-EXM — a fanless power extender that supplies additional power to the discussion chain, letting the Bronx conference processor drive more discussion units over a loop-plus-star wired architecture.

CONTENTS

01 **BR-EXM**

Overview, features, interfaces & specs

02

01 · EXTENSION MAIN UNIT

Full Digital Extension Main Unit

Fanless power extender that lets the conference processor support more discussion units.

When the discussion chain does not have enough power, the BR-EXM injects additional power so more CU / DU units can be added. Its loop-wired architecture keeps star-wired reliability, with redundant loop cabling and up to 100 m between extenders.



CU / DU CHANNELS	SPAN	POWER	COOLING
4 channels	100 m	48 V DC	Fanless silent

HEADLINE CAPABILITIES

- Loop + star wired architecture
- Upstream & downstream ports
- Up to 100 m between units
- 4 CU / DU channels
- No-fan, noiseless power supply
- Redundant loop cabling

01.1 Technical Specification

ARCHITECTURE & POWER

- Loop-wired architecture with star-wired benefits.
- Provides 4 CU / DU channels.
- Upstream and downstream ports.
- No-noise power supply — “no fan, noiseless” power enhancement.
- Up to 100 m between BR-EXM extension main units.
- Expands four chains.
- No-fan, noiseless design.
- Compact profile.

01.2 Interfaces

CONNECTIVITY

- Self-locking DC connector
- 4× RJ45 loop / microphone ports with redundant loop cabling for network stability
- 2× RJ45 loop-through daisy chains — loop several network extenders

01.3 Technical Parameters

ELECTRICAL · PHYSICAL

Power	3 A, 48 V DC
Dimensions	223 (W) × 37 (H) × 92 (D) mm
Weight	0.5 kg

BRONX

Engineered for Indian boardrooms, ministries, courtrooms and broadcast halls – the Bronx DIALOGUE conference platform.

ABOUT BRONX SYSTEMS

An Indian Original Equipment Manufacturer. ISO certified · MSME · Make in India · NSIC. Bronx Systems supplies professional audio-visual, conference, control-room and signage solutions to government, defence, broadcast and enterprise customers across India.

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