DATA SHEET

19" 1RU Multi-Mounting Rack with Diagnosis Feature

BR-600

Contents

■ Description

BR-600 is a 19" 1RU Multi-Mounting Rack, that offers a modular, high-performance fiber-optic solution supporting up to 8 Opticis optical extenders. It supports Opticis diagnosis extenders - HDX-1F20-TR, DPX-1F12-TR, and DHX-1F4K-TR, ensuring broad compatibility for different extension needs. The BR-600 is equipped with dual DC locking and Phoenix connectors for redundant power supplies, minimizing downtime. With Opticis' Snap Lock system, it simplifies the secure attachment of extenders.

With its integrated diagnosis feature and GUI support, users can easily monitor power status and manage extenders remotely, ensuring operational stability and control in diverse environments.

*BR-600 is applicable for use with Opticis fiber-optic extenders, HDX-1F20-TR, DPX-1F12-TR, and DHX-1F4K-TR.

■ Features

- Compact 19" 1RU Multi-Mounting Power Supply Frame
- Supports up to 8 units Opticis diagnosis extenders
  - HDX-1F20-TX, DPX-1F12-TX, and DHX-1F4K-TX
- Dual power redundancy for reliable operation
- Load-sharing support to balance power loads across units
- Diagnosis feature accessible via Diagnosis Link Manager (GUI), multiple optical extenders simultaneously
- Snap Lock system for secure and easy attachment of optical extenders to the BR-600.
- LAN (RJ45) port for GUI connection, enabling: Monitoring of current power status for each extenders
- Powering on/off modules individually or collectively.

■ Applications

- Medical imaging
- Digital Signage
- Control room
- Rental staging
- Simulation
- Automation

■ Technical Specifications

	Parameter	Specifications
Electrical	Input power	12.0V / 3.0A (Locking type)
	Data Transfer Rate(Graphic Data)	12.0V / 3.0A (Phoenix type)
	Output power	5.0V / 1.0A
Mechanical	Dimension(W x D x H)	482 x 280x 44 mm

■ Absolute Maximum Ratings

Stresses in excess of the absolute maximum ratings can cause permanent damage to the device. These are absolute stress ratings only. Functional operation of the device is not implied at these of any other conditions in excess of those given in the operational sections of the datasheet. Exposure to absolute maximum ratings for extended periods can adversely affect device reliability.

Parameter	Symbol	Min	Max	Unit
Storage Temperature	T_{STG}	-30	70	℃
Supply Voltage	V_{CC}		18	V
Differential Input Voltage Swing	V_{ODp-p}	400	1200	mV_{p-p}
Operating Relative Humidity	RH_{OP}	10	85[1]	%RH
Storage Relative Humidity	RH_{STG}	10	95[2]	%RH

*1), 2) Under the conditions of No drops of dew

■ Operating Conditions

Parameter	Symbol	Minimum	Typical	Maximum	Units
Operating Temperature	T_{OP}	0		50	℃
Power Supply Rejection (Note1)	PSR		50		mV_{p-p}
Supply Voltage	V_{CC}	8	12	16	V
Supply Current	I_{CC}			3.0	A
Power Dissipation	P_{TX}			36	W
Parameter	Symbol	Minimum	Typical	Maximum	Units

* Tested with a 50 mV_{p-p} sinusoidal signal in the frequency range from 500Hz to 500MHz on the V_{cc} supply with the recommended power supply filter in place. Typically less than a 0.25dB change in sensitivity is experienced.

■ Drawing

Size (LWH): 482 x 280 x 44 mm

■ Connection Diagram
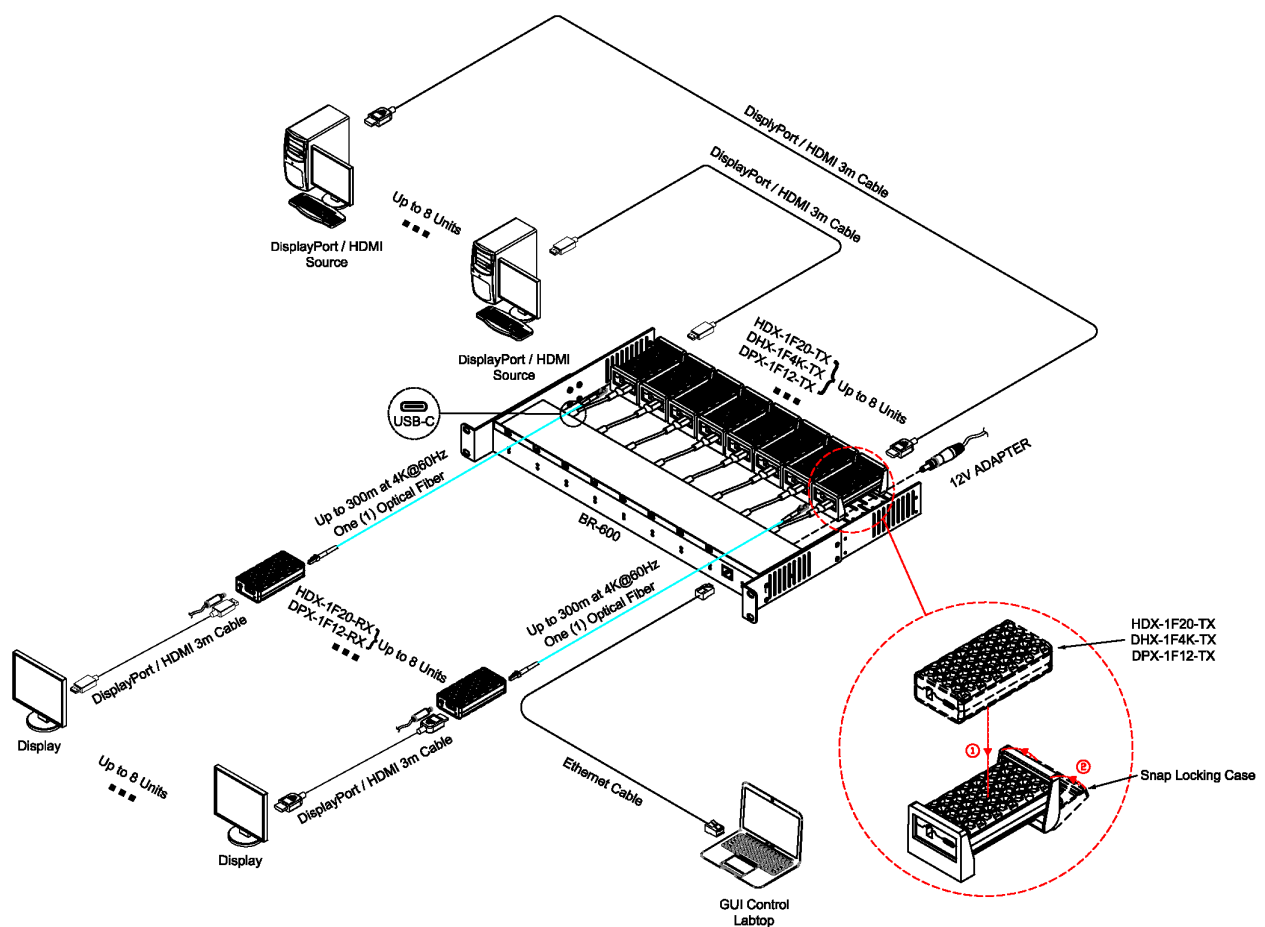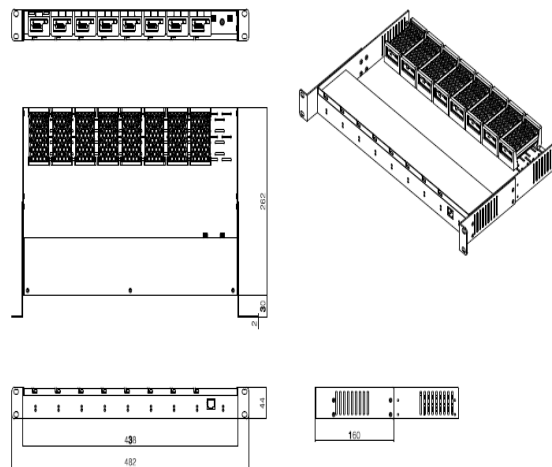
Revision History

Version	date	History
1.0	2024-11	Official version released