



BERYL Series Medium, Small-Scale VGA Routing Switcher

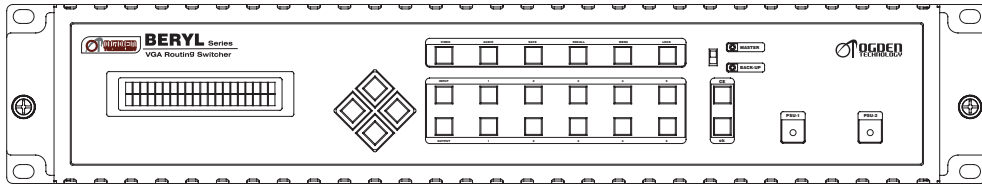
BERYL is a high-performance and compact VGA routing switcher. It uses a modular design. Switching sizes range from 2x2 to 16x16. Its front panel features LCD display and control buttons. It supports both manual switching mode (channel pre-switching + OK trigger) and automatic switching mode (timing switching). BERYL transmits R, G, B, H and V components of VGA signals independently for clear VGA image. BERYL supports RS-232/422 control protocol. It also has an

RS-485 interface used for frame cascading. BERYL can cascade up to 8 OPAL series routing switchers. The routing switching features powerful expansion and compatibility.

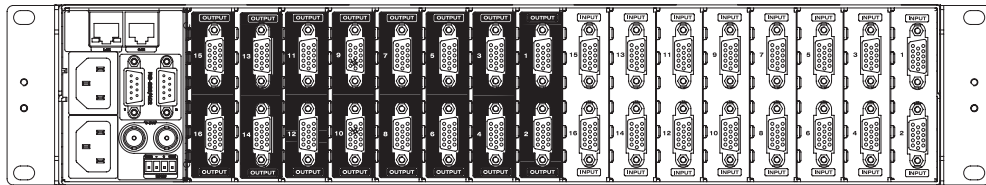
BERYL is ideal for several applications, including large screen display projectors, distance learning, command control centers and multimedia conference systems.

BERYL Medium, Small-Scale VGA Routing Switcher

BERYL FRONT VIEW



BERYL REAR VIEW



FEATURES

- Frame: 19", 2RU
- Signal formats: VGA (R, G, B, H, V)
- Sizes: 2x2 ~ 16x16
- Redundant power supplies and control system
- Cable EQ: 90 ft (25 m), 170 ft (50 m), 250 ft (75 m) and 330 ft (100 m) optional
- Front panel featuring LCD display and control buttons
- Uses CREATOR communication control protocol
- RS-485 interface for cascading with OPAL series, maximum eight frames can be cascaded
- Multiple control modes, such as timing switching, for easy operation
- Save/Recall function
- Non-volatile memory
- Control interfaces: C-BUS, CAN-BUS, LAN and RS-232/422
- Supports TCP/IP and UTP protocols

SPECIFICATIONS

Specifications are subject to change without notice.

Mechanical

Width.....	19 in. (483 mm)
Height.....	2RU (88 mm)
Depth.....	9.1 in. (231 mm)

Electrical

Power Supply.....	90 ~ 260 V AC, 50 Hz
Power Consumption.....	25 W

Environmental

Operating Temperature.....	32° ~ 104° F (0° ~ 40° C)
Relative Humidity.....	10% ~ 90%

Control Interface

RS-485.....	4Pin (x1)
RS-232/422.....	DB-9F (x2)
C-BUS.....	BNC (x2)
CAN-BUS.....	RJ-45 (x1)
LAN.....	RJ-45 (x1)

VGA Input

Connector.....	HD-15F
Signal Format.....	VGA
R, G, B Amplitude.....	700 mVp-p
H, V Amplitude.....	TTL level
R, G, B Impedance.....	75 Ω
H, V Impedance.....	Hi-z

VGA Output

Connector.....	HD-15F
Signal Format.....	VGA
R, G, B Amplitude.....	700mVp-p
H, V Amplitude.....	TTL level
R, G, B Impedance.....	75 Ω
H, V Impedance.....	75 Ω

Performance

Bandwidth.....	-3 dB @ 225 MHz
Gain.....	0 dB
Differential Phase.....	<0.15° @ 4.43 MHz
Differential Gain.....	<0.15% @ 4.43 MHz
S/N Ratio.....	>75 dB (unweighted)
Crosstalk.....	<-60 dB @ 4.43 MHz

ORDERING INFORMATION

Frame Components

BR-FM-2RU	BERYL frame
BR-CTL	BERYL control module
BR-PWR	BERYL power supply

I/O Modules

BR-INPUT	2-channel VGA input module
BR-INPUT-EQ	2-channel VGA input module with equalizing
BR-OUTPUT	2-channel VGA output module