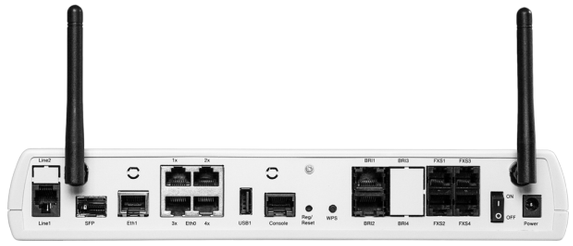
BG8542EW

LED Description

Function/ LED Color	OFF	ON	BLINKING
LINE	No xDSL connection	VDSL2 or ADSL line connected to the CO	Connected line and In/Out IP traffic over the WAN
		Connected line. Waiting for receiving the gateway address from IPCP or DHCP server on the WAN	VDSL2 / ADSL physical layer set up or failed connection (no line).
WIFI	WIRELESS interface is disabled	WIRELESS service activated	In/Out WIRELESS IP traffic
ETH1	No device connected	Ethernet device connected to the port	In/Out IP traffic on the WAN
ETH0 1, 2, 3, 4	No device connected	Ethernet device connected to the port	In/Out IP traffic on the LAN
USB	No device connected	Device connected and recognized	Device under recognition phase. If the flash persists, the device does not work properly
BRI 1, 2	Line unregistered to the SIP server	Line registered to the SIP server	N / A
FXS 1, 2, 3 , 4	Line unregistered to the SIP server	Line registered to the SIP server	N / A
POWER	CPE turned off	CPE turned on, completed startup	N / A
		N / A	CPE startup after turning on or restart

LED Colors are: Green , Red and Orange
CO: Central Office
CPE: Customer Premises Equipment

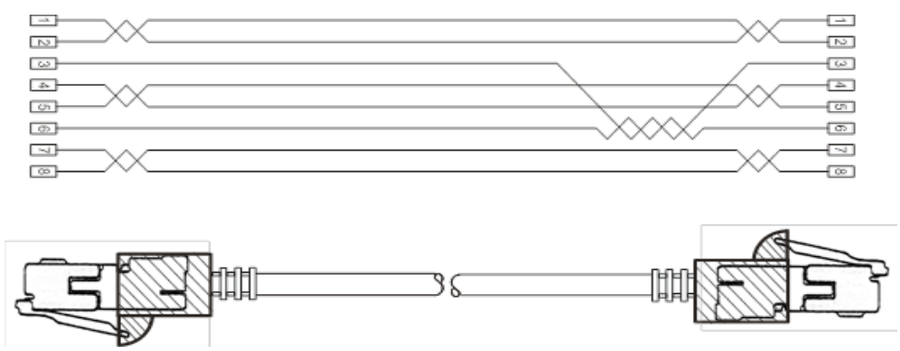
BG8542EW



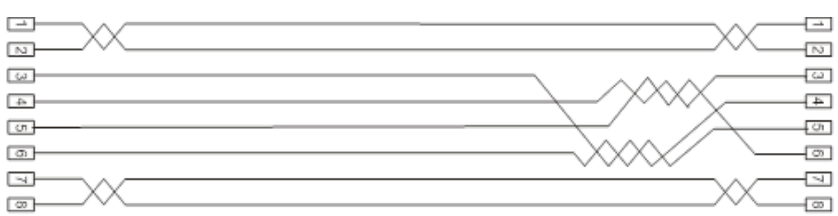
Connectors, Pin-out, Cables

Interface	Description	Connector	Functionality
A/VDSL2	Line1	RJ11	xDSL Line connection
Console	Console	RJ45	RS232 Local Management
GbE	Eth0, Eth1	RJ45	LAN, WAN
ISDN	BRI1-2	RJ45	TE or NT for ISDN PABX Connection
FXS	FXS1-4	RJ11	Analog TE Connection

BRI ISDN Cable straight NT configuration



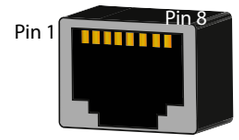
BRI ISDN Cable cross TE configuration



Console Port

Pin 1,2,7,8:	Non connected
Pin 3:	TX
Pin 4,5:	Ground
Pin 6:	RX

RJ 45 Pin - out



BRI ISDN Ports

Pin 1,2,7,8:	Non connected
Pin 3:	Rx (+)
Pin 4:	Tx (+)
Pin 5:	Tx (-)
Pin 6:	Rx (-)

Note: Console Port in "Aux" working mode, use RJ45-RJ45 cable with inverted pin (1-8, 2-7, 3-6, 4-5)

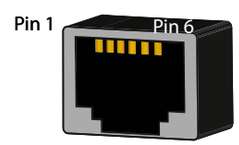
GbE Ports

Pin 1:	White orange
Pin 3:	White green
Pin 4:	Blu
Pin 5:	White blu
Pin 6:	Green
Pin 7	White brown
Pin 8	Brown

A/VDSL Port

Pin 1,2,5,6	Non connected
Pin 3,4	Connected

FXS Ports

Pin 1,2,5,6	Non connected
Pin 3,4	Connected

RJ11 Pin - out