aethra telecommunications®

BG1221R

LED Description

Function/ LED Color		OFF	ON	BLINKING
ADSL		No xDSL connection	ADSL line connected to the CO	ADSL physical layer set up or failed connection (no line)
🌐		Waiting for receiving the gateway address from IPCP or DHCP server on the WAN	WAN line connected, no IP traffic	In/Out IP traffic over the WAN
ETH1		No device connected	Ethernet device connected to the port	In/Out IP traffic on the WAN
BRI1		Line unregistered to the SIP server	Line registered to the SIP server	N / A
ETH0 1, 2, 3, 4		No device connected	Ethernet device connected to the port	In/Out IP traffic on the LAN
FXS 1, 2		Line unregistered to the SIP server	Line registered to the SIP server	N / A
USB		No device connected	Device connected and recognized	Device under recognition phase. If the flash persists, the device does not work properly
WIFI		WIRELESS interface is down	WIRELESS service activated	In/Out WIRELESS IP traffic
POWER		CPE turned off	CPE turned on, completed startup	N / A
			N / A	CPE startup after turning on or restart

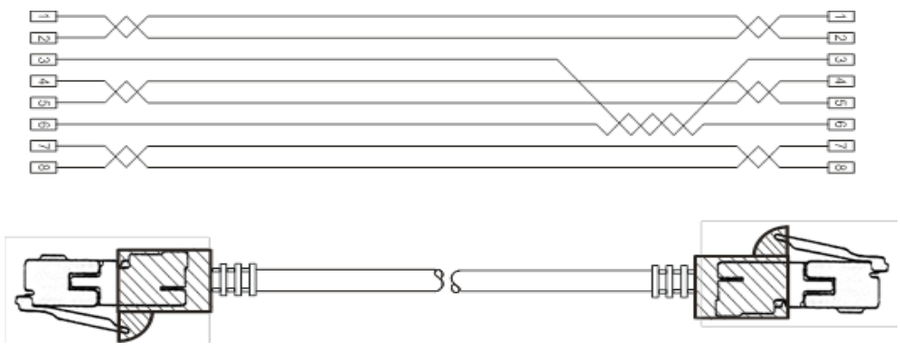
LED Colors are: Green and Orange
CO: Central Office
CPE: Customer Premises Equipment

BG1221R

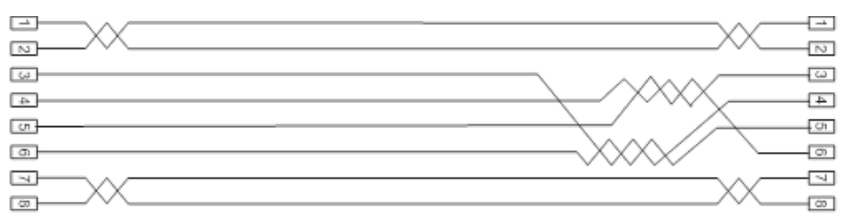
Connectors, Pin-out, Cables

Interface	Description	Connector	Functionality
ADSL	ADSL	RJ11	xDSL Line connection
Console	Console	MiniDIN 8P	RS232 Local Management
FE	Eth0, Eth1	RJ45	LAN, WAN
FXS	FXS1, 2	RJ11	Analog TE Connection
ISDN	BRI1 NT/TE	RJ45	TE or NT for ISDN PABX Connection

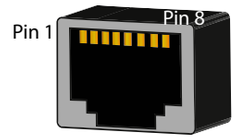
BRI ISDN Cable straight NT configuration



BRI ISDN Cable cross TE configuration

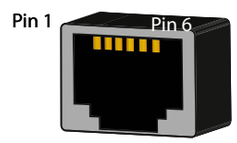


RJ 45 Pin - out



BRI ISDN Ports		FE Ports	
Pin 1,2,7,8:	Non connected	*Pin 1:*	White orange
Pin 3:	Rx (+)	*Pin 3:*	White green
Pin 4:	Tx (+)	*Pin 4:*	Blu
Pin 5:	Tx (-)	*Pin 5:*	White blu
Pin 6:	Rx (-)	*Pin 6:*	Green
		Pin 7	White brown
		Pin 8	Brown

ADSL 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