aethra telecommunications®

SV6044EV2W

LED Description

Function/ LED Color	OFF	ON	BLINKING
LINE	N / A	VDSL2 or ADSL line(s) connected to the CO, 1 line at least	A/VDSL2 physical layer set up or failed connection (no line)
INTERNET	Bridged mode or no xDSL connection	WAN line connected, no IP traffic	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	N / A
WIFI	WIRELESS interface is down	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 1,2	No device connected	Device connected and recognized	Device under recognition phase. If the flash persists, the device does not work properly
BRI 1, 2, 3, 4	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
MODULE	N / A	N / A	N / A
POWER	CPE turned off	CPE turned on, completed startup	CPE startup after turning on or restart

LED Colors are: Green and Red

CO: Central Office

CPE: Customer Premises Equipment

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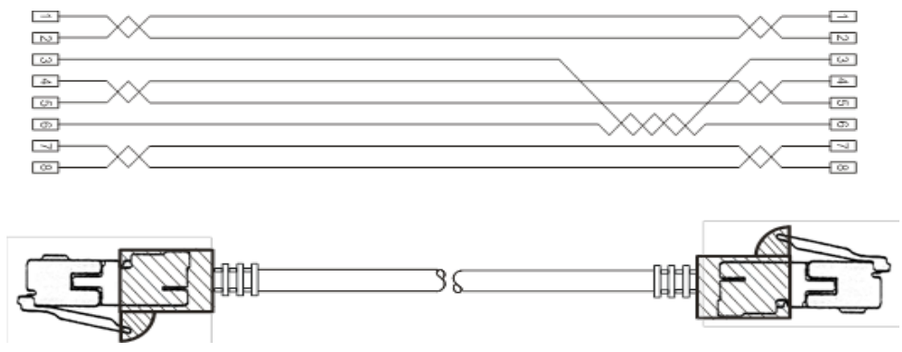
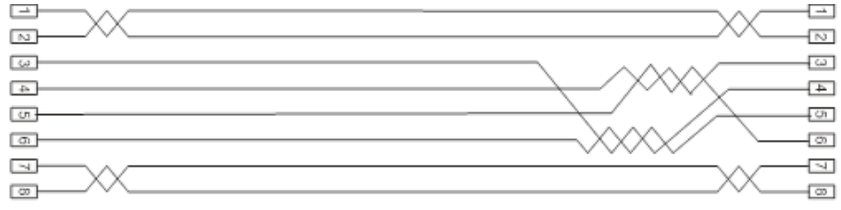
Connectors, Pin-out, Cables

Interface	Description	Connector	Functionality
A/VDSL2	Line1,2	RJ11	xDSL Line connection
Console	Console	RJ45	RS232 Local Management
GbE	Eth0, Eth1	RJ45	LAN, WAN
ISDN	BRI1 - 4	RJ45	TE or NT for ISDN PABX Connection
FXS	FXS1-4	RJ11	Analog TE Connection
FXO	FXO1	RJ11	POTS Line Connection

BRI ISDN Cable straight NT configuration



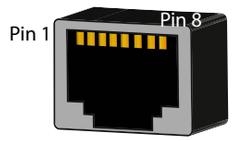
BRI ISDN Cable cross TE configuration



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)

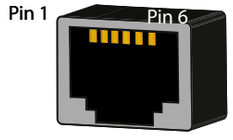
GbE Ports

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/VDSL2 Port

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

RJ11 Pin - out



FXS/FXO1 Ports

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