LIFE IS FOR SHARING.

Datasheet

BNG REMOTE DEVICES

The following table gives information about the terminating devices (“remote device”) on Deutsche Telekom’s BNG Network for symmetrical business services.

Notes:

- Not all physical capabilities (e.g. ports/speeds) are available in all Deutsche Telekom products and services.
- The exact model of Remote Device used for a given access line cannot be pre-selected (“functional identical” concept).
- Deutsche Telekom may change the types of supported remote devices at any time to different models.

REMOTE DEVICE (RD)	1G RD ADTRAN NV4660	1G RD ELCON BIG2862	1G RD HUAWEI ATN910I-D	10G RD HUAWEI ATN910B-D	
					
Supported WAN interfaces	SHDSL/(V)VDSL/fiber 1G	SHDSL/(V)VDSL/fiber 1G	fiber 1G	fiber 10G	
Dimensions w/d/h (mm)	1st gen.: 437/218/44 2nd gen.: 437/187/44	315/192,5/43	250/180/43,60	446/285/88,90	442/220/44,45
Weight (kg)	~2,6	~2,1	~1,9	~8,7	~3,1
Power supply	230 V AC or 48 V DC (2 models)			2 x 230 V AC	2 x 48 V DC
Power consumption (W)	<30	<30	<20	<130	<95
Climate conditions	indoor (ETSI 300 019-1-3, climate class 3.3) 48 V models only: outdoor (ETSI 300 019-1-4, climate class 4.1)			indoor (ETSI 300 019-1-3, climate class 3.3)	
Mounting options	desk/rack 19" 1 U	desk/rack 19" 1 U (+1 U)	desk/rack 19" 1 U	rack 19" 2 U (230 V)/1 U (48 V)	
Physical LAN Ports	4 x RJ45/SFP Combo (electrical/optical) 1G		2 x RJ45/SFP Combo (el./opt.) 1G, 2 x RJ45 electrical 1G/1 x SFP optical 1G	24 x SFP 1G (electrical or optical), 3 x SFP+ 10G (optical)	
Clocking options	▪ 1 x T4 (G.703; T12 or E12) ▪ SyncE (ITU-T G.8261 et. al) on all LAN ports ▪ PTP/IEEE-1588 (HW-ready only)		▪ 1 x T4 (G.703; T12 or E12) ▪ SyncE (ITU-T G.8261 et. al) on all LAN ports ▪ PTP/IEEE-1588 opt. ports only	▪ 1 x T4 (G.703; T12 or E12) ▪ SyncE (ITU-T G.8261 et. al) optical ports only ▪ PTP (IEEE-1588) opt. ports only	
Supported interface specifications (User side/LAN)	Electrical interfaces:	▪ 10/100/1000BaseT (IEEE 802.3-2012 clause 14/25/40) ▪ 10/100: half-duplex/full duplex; 1000: autonegotiation ▪ connector: RJ45			
	Optical interfaces 1G:	▪ 1000BaseLX (IEEE 802.3-2012 clause 38/Singlemode 1310 nm 9/125 µm) ▪ 1000BaseSX (IEEE 802.3-2012 clause 38/Multimode 850 nm 62,5/125 µm or 50/125 µm) ▪ full duplex ▪ connector: LC or SC/PC			
	optical interfaces 10G:	▪ 10GBaseLR (IEEE 802.3-2012 clause 49 and 54/Singlemode 1310 nm 9/125 µm) ▪ 10GBaseSR (IEEE 802.3-2012 clause 49 and 54/Multimode 850 nm 62,5/125 µm or 50/125 µm) ▪ full duplex ▪ connector: LC or SC/PC			

LIFE IS FOR SHARING.

Datasheet

PORTMAPPING FOR BNG-BASED BUSINESS ACCESS

The following table describes the static mapping of logical port numbers (from the ordering/fulfillment process) to the physical connections on the used remote device.

Applies to the following Deutsche Telekom products:

- DeutschlandLAN Connect IP [always logical Port 1]
- Ethernet Connect 2.0 // Wholesale Ethernet VPN 2.0 // CVF Ethernet 2.0 on Business Access
- Business Premium Access with Cloud PBX 1.5 or SIP-Trunk 1.5

REMOTE DEVICE (RD)	1G RD ADTRAN NV4660	1G RD ELCON BIG2862	1G RD HUAWEI ATN910I-D	10G RD HUAWEI ATN910B-D
				
Logical port number	**phys. port label**			
1 (1G)	GIG 0/2	FE/GE2	LAN1	FE/GE0
2 (1G)	GIG 0/3	FE/GE3	LAN2	FE/GE1
3 (1G)	GIG 0/4	FE/GE4	LAN3	FE/GE2
4 (1G)	GIG 0/5	FE/GE0	LAN4	FE/GE3
5 (1G)	(n. a.)	(n. a.)	(n. a.)	FE/GE4
6 (1G)	(n. a.)	(n. a.)	(n. a.)	FE/GE5
7 (1G)	(n. a.)	(n. a.)	(n. a.)	FE/GE6
8 (1G)	(n. a.)	(n. a.)	(n. a.)	FE/GE7
9 (1G)	(n. a.)	(n. a.)	(n. a.)	FE/GE8
10 (1G)	(n. a.)	(n. a.)	(n. a.)	FE/GE9
11 (1G)	(n. a.)	(n. a.)	(n. a.)	FE/GE10
12 (1G)	(n. a.)	(n. a.)	(n. a.)	FE/GE11
101 (10G)	(n. a.)	(n. a.)	(n. a.)	XGE25
102 (10G)	(n. a.)	(n. a.)	(n. a.)	XGE26
103 (10G)	(n. a.)	(n. a.)	(n. a.)	XGE27

Published by: Telekom Deutschland GmbH, Landgrabenweg 151, 53227 Bonn | Dated 12/2019 | Subject to change and corrections | X