Remote Devices – Information

Remote Devices (RD) are used to terminate certain business accesses. The RD is selected by Deutsche Telekom as part of the deployment process and cannot be selected by the customer for a specific access. The RD is owned by Deutsche Telekom.

Remote Devices 1G capable – technical parameters

Remote Device (RD)	1G RD ADTRAN NV4660	1G RD aconnic BIG 2862 (before albis-elcon)	1G RD aconnic BIG 2862 (before albis-elcon) WAN: Fiber only	1G RD HUAWEI ATN910I-D
Supported WAN interfaces	▪ SHDSL ▪ (V)VDSL ▪ Fiber 1G	▪ SHDSL ▪ (V)VDSL ▪ Fiber 1G	▪ Fiber 1G	▪ Fiber 1G
Dimensions w/d/h (mm)	1. Gen.: 437/218/44 2. Gen.: 437/187/44	315/197,5/43	315/197,5/43	250/180/43,60
Note on construction	When installed in a 19“ rack, three height units (HE) are required per access. A patch panel must be provided within the same rack.			
Mounting options	Desk/Rack 19"			
Power supply	230 V AC or 48 V DC			
Climate conditions	Indoor (ETSI 300 019-1-3, climate class 3.1(E) (-25°C to +55°C)) is supported. 48 V models only: Outdoor (ETSI 300 019-1-3 only in weather-protected housing, climate class 3.1(E) (-25°C to +70°C)) is supported.			
Physical LAN-Ports	4 x RJ45/SFP Combo (electrical/optical) 1G			2 x RJ45/SFP Combo (el./op.) 1G 2 x RJ45 electrical (only one usable) 1G 1 x SFP 1G (electrical/optical)
Clock options	▪ 1 x T4 (G.703; T12 or E12) ▪ SyncE (ITU-T G.8261 et. al) on all LAN ports			
Supported Interface-Specifications (on Customer site/LAN)	Electrical Interfaces:	▪ 10/100/1000BaseT (IEEE 802.3-2012 clause 14/25/40) ▪ 10/100: full duplex; 1000: Autonegotiation ▪ Access: 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 ▪ Access: LC-Duplex		

NOT MORE FOR NEW DEPLOY-MENTS

Remote Devices – Information

Remote Devices 10G capable – technical parameters

Remote Device (RD)	10G RD aconnic BIG 4862 (before albis-elcon)	10G RD HUAWEI ATN910B-D
Supported WAN interfaces	Fiber 10G (SFP+)	
Dimensions w/d/h (mm)	446/240/43	446/285/88,90 (alternating current 230 V) 442/220/44,45 (direct current 48 V)
Note on construction	When installed in a 19“ rack, two height units (HE) are required per access. A patch panel must be provided within the same rack.	
Mounting options	Rack 19"/ETSI	
Power supply	2 x 230 V AC / 2 x 48 V DC	
Climate conditions	Indoor ETSI 300 019-1-3, climate class 3.1	
Physical LAN-ports	2 x SFP+ 10G (optical) 8 x SFP 1G (optical) 4 x SFP oder RJ45 (Combo-Ports) 1G	10 x SFP 1G (electrical/optical) 2 x SFP+ 10G (optical)
Clock options	▪ T3/T4 about common RJ45 ▪ SyncE (ITU-T G.8261 et.al) about all LAN-ports which are not in the 10BaseT-Mode	▪ 1 x T4 (G.703; T12 or E12) ▪ SyncE (ITU-T G.8261 et.al) only opt. ports
Supported interface specifications (User side/LAN)	▪ LAN 1S u. 2S: SFP+ 10GBaseX ▪ LAN 3S ... 10S: SFP 1000BaseX ▪ LAN 11 ... 14 oder LAN 11S ... 14S: Combo-Ports: – RJ45 10/100/1000BaseT (IEEE 802.3-2012 clause 14/25/40) or – SFP 1000BaseX	▪ 10/100/1000BaseT (IEEE 802.3-2012 clause 14/25/40) ▪ 10/100: half duplex/full duplex 1000: autonegotiation ▪ Access: RJ45
	SFP 10/100/1000BaseT no support of SynE ▪ 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 ▪ Access: LC-Duplex	
	Optical Interfaces 10G: Other physical properties of the optical interface depend on the SFP used ▪ 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 ▪ Access: LC-Duplex	

NOT MORE FOR NEW DEPLOY-MENTS

Portmapping for Business Access

The following tables describe the static mapping of a logical LAN-port numbers to the physical port and the naming of the WAN-port designation.

On the 1G remote devices can be used max. 4 LAN-ports.

Remote Device (RD)	1G RD ADTRAN NV4660	1G RD aconnic BIG 2862 (before albis-elcon) aconnic BIG2862 WAN: Fiber only (before albis-elcon)	1G RD HUAWEI ATN910I-D NOT MORE FOR NEW DEPLOY-MENTS
Logical LAN-Port number	**Physical port label**		
1 (1G)	GIG 0/2	LAN1 (RJ45) / LAN1S (SFP)	FE/GE 2
2 (1G)	GIG 0/3	LAN2 (RJ45) / LAN2S (SFP)	FE/GE 3
3 (1G)	GIG 0/4	LAN3 (RJ45) / LAN3S (SFP)	FE/GE 4
4 (1G)	GIG 0/5	LAN4 (RJ45) / LAN4S (SFP)	FE/GE 0

WAN-Port designation	GIG 0/1	WAN Gf-connection up to 1G	WAN1S	WAN Gf-connection up to 1G	FE/GE 5	WAN Gf-connection up to 1G
	Quad SHDSL EFM Annex B	optional socket	Quad SHDSL EFM Annex B	optional socket	-	
	Quad (V)VDSL	optional socket	(V)VDSL	optional socket	-	

A max. of 10 LAN-ports with 1G and a max. of 2 LAN-ports with 10G can be used on the 10G remote device

Remote Device (RD)	10G RD aconnic 4862 (before albis-elcon)	10G RD HUAWEI ATN910B-D NOT MORE FOR NEW DEPLOY-MENTS
Logical LAN-Port number	**Physical port label**	
1 (1G)	LAN11 (RJ45) / LAN11S (SFP)	FE/GE 0
2 (1G)	LAN12 (RJ45) / LAN12S (SFP)	FE/GE 1
3 (1G)	LAN13 (RJ45) / LAN13S (SFP)	FE/GE 2
4 (1G)	LAN14 (RJ45) / LAN14S (SFP)	FE/GE 3
5 (1G)	LAN3S	FE/GE 4
6 (1G)	LAN4S	FE/GE 5
7 (1G)	LAN5S	FE/GE 6
8 (1G)	LAN6S	FE/GE 7
9 (1G)	LAN7S	FE/GE 8
10 (1G)	LAN8S	FE/GE 9
101 (10G)	LAN1S	XGE 25
102 (10G)	LAN2S	XGE 26

WAN-Port designation	WAN1S	WAN Gf-connection 10G	XGE 24	WAN Gf-Connection 10G

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