



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 (albis-elcon BIG 2862)	1G RD aconnic BIG 2862 (albis-elcon BIG 2862) WAN: Fiber only
Supported WAN interfaces	<ul style="list-style-type: none"> SHDSL (V)VDSL Fiber 1G 	<ul style="list-style-type: none"> SHDSL (V)VDSL Fiber 1G 	<ul style="list-style-type: none"> 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
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	230V AC or 48 V DC		
Climate conditions	Indoor (ETSI 300 019-1-3, climate class 3.1(E) (-25°C bis +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 bis +70°C)) is supported.		
Physical LAN-Ports	4 x RJ45/SFP Combo (electrical/optical) 1G		
Clock options	<ul style="list-style-type: none"> 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:	<ul style="list-style-type: none"> 10/100/1000BaseT (IEEE 802.3-2012 clause 14/25/40) 10/100: full duplex; 1000: Autonegotiation Access: RJ45 	
	Optical interfaces 1G:	<ul style="list-style-type: none"> 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 	



Remote Devices - Information

Remote Devices 10G capable – technical parameters

Remote Device (RD)	10G RD aconnic (albis-elcon) BIG 4862
Supported WAN interfaces	Fiber 10G (SFP+)
Dimensions w/d/h (mm)	446/240/43
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	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 or RJ45 (Combo-Ports) 1G
Clock options	<ul style="list-style-type: none"> ▪ T3/T4 about common RJ45 ▪ SyncE (ITU-T G.8261 et.al) about all LAN-Ports, which are not in the 10BaseT-Mode
Supported Interface-Specifications (on Customer site/LAN)	<ul style="list-style-type: none"> ▪ LAN 1S and 2S: SFP+ 10GBaseX ▪ LAN 3S ... 10S: SFP 1000BaseX ▪ LAN 11 ... 14 oder LAN 11S ... 14S: Combo-Ports: <ul style="list-style-type: none"> – RJ45 10/100/1000BaseT (IEEE 802.3-2012 clause 14/25/40) or – SFP 1000BaseX
	<p>SFP 10/100/1000BaseT no support of SynE</p> <ul style="list-style-type: none"> ▪ 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
	<p>Optical interfaces 10G: Other physical properties of the optical interface depend on the SFP used</p> <ul style="list-style-type: none"> ▪ 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



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.

A max. of 4 LAN-Ports can be used on the 1G remote device.

Remote Device (RD)	1G RD ADTRAN NV4660	1G RD aconnic (albis-elcon) BIG 2862 aconnic BIG 2862 WAN: Fiber only		
Logical LAN-Port number	Physical port label			
1 (1G)	GIG 0/2	LAN1 (RJ45) / LAN1S (SFP)		
2 (1G)	GIG 0/3	LAN2 (RJ45) / LAN2S (SFP)		
3 (1G)	GIG 0/4	LAN3 (RJ45) / LAN3S (SFP)		
4 (1G)	GIG 0/5	LAN4 (RJ45) / LAN4S (SFP)		
WAN-Port designation	GIG 0/1	WAN Gf-connection up to 1G	WAN1S	WAN Gf-connection up to 1G
	Quad SHDSL EFM Annex B	optional socket	SDSL	Only SHDSL Cu/xDSL-connection
	Quad (V) VDSL	optional socket	VDSL	Only (V)VDSL Cu/xDSL connection

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 (albis-elcon) BIG 4862
Logical LAN-Port number	Physical port label
1 (1G)	LAN11 (RJ45) / LAN11S (SFP)
2 (1G)	LAN12 (RJ45) / LAN12S (SFP)
3 (1G)	LAN13 (RJ45) / LAN13S (SFP)
4 (1G)	LAN14 (RJ45) / LAN14S (SFP)
5 (1G)	LAN3S
6 (1G)	LAN4S
7 (1G)	LAN5S
8 (1G)	LAN6S
9 (1G)	LAN7S
10 (1G)	LAN8S
101 (10G)	LAN1S
102 (10G)	LAN2S
WAN-Port designation	WAN1S WAN Gf-connection 10G