

Die folgenden Schnittstellenspezifikationen gelten für Produkte der:

→ **epcan GmbH**

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01 Passive optische Schnittstellen am Hausübergabepunkt (HÜP)

Optisches Interface:

- Connector: LC/APC
- Patchkabel: ITU-T G.657
- Interface: 1000BASEBX10-U
- TX Wellenlänge: 1310 nm
- TX Wellenlänge range: 1260 – 1360 nm
- TX Pegel: -3 – -9 dBm
- RX Wellenlänge: 1490 nm
- RX Wellenlänge range: 1480 – 1500 nm
- RX Pegel: -3 – -19.5 dBm
- Laser Class: 1 (IEC 60825-1)

02 Optischer / Elektrischer Konverter

- 490nm wavelength downstream, 1310nm wavelength upstream
- 2.488Gb/s line rate downstream, 1.244Gb/s line rate upstream
- SC/APC optical connector
- Single mode fiber (ITU-T G.657)
- G.984.3-compliant Advanced Encryption Standard (AES) in downstream
- Compliant with ITU-T G.988, OMCI
- Compliant with ITU-T G.984.2 Amd1, Class B+
- G.984.3-compliant forward error correction (FEC) in both directions
- 802.1p fixed mapping to queues
- IEEE 802.3-compliant 10/100/1000Base-T ports
- Medium dependent interface/medium dependent interface crossover (MDI/MDIX) automatic sense

03 Router

WAN Schnittstelle:

- SFP-Interface o. RJ45 (1000/100 BaseT)
- (kompatibel mit GPON Fiber/1000BASE-BX10-U)
- tagged VLAN Unterstützung
- DHCP client
- PPPoE client
- IPv4/IPv6 dual stack

Routing:

- Übertragung (1000 Mbps)
- DHCP Server
- NAT/ PAT
- UPnP
- SPI Firewall
- DMZ
- Mixed bridged/routed port(s) for IPTV
- IGMPv2, IGMPv3 snooping and proxy

Voice:

- Compliant with ITU-T G.988, OMCI
- Compliant with ITU-T G.984.2 Amd1, Class B+
- G.984.3-compliant forward error correction (FEC) in both directions
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Management:

- TR-069, TR-098, TR-104
- SNMP
- DHCP/TFTP
- CLI
- Fail-safe firmware upgrade
- Factory default reset button