

Hybrid7

Unlike the majority of our offerings for business customers, Hybrid7 with XGS-PON technology (P2MP) is not based on our own infrastructure. In locations where we do not yet operate our own Point of Presence (PoP), we therefore rely on Swisscom's infrastructure. This ensures that we can still offer fiber optic solutions in these regions. We generally use XGS-PON, a technology based on existing fiber optic networks. However, this solution comes with some limitations, especially in terms of the flexibility and control we are used to have with our own P2P infrastructure. You can find more details in our blog article (German) «[Differences in fiber optic expansion: P2P vs. P2MP](#)».

Hardware recommendation

- Router: CCR2004-1G-12S+2XS
- SFP module: ALLNET optics for XGSPON

Notes on the use of XGS-PON

- The download and upload rate cannot be guaranteed due to the P2MP architecture
- Latency times are not guaranteed
- Download/upload with one flow and latency of 2.2 ms: 3.5 Gbit/s
- Download/Upload with multiple flows and latency of 2.2 ms: 4.5/5.5 Gbit/s
- Maximum supported MTU: 1492
- A routed prefix is required as the PPPoE address is needed for the MikroTik