# QSFP 40G accessories

We recommend to use these QSFP 40G accessories with our CRS326-24S+2Q+RM, but they are also compatible with other manufacturer's QSFP 40G switches and routers.

## Q+85MP01D – the 40 Gbps 850nm optical QSFP+ module

This optical module offers 4 independent full-duplex channels with up to 10 Gbps per channel bandwidth and aggregate bandwidth of 40 Gbps.

It can provide a connection over 100 m on OM3 Multimode Fiber (MMF) and 150 m on OM4 MMF.
The module has built-in digital diagnostic functions, including optical power monitoring, and will perform well in environments up to 70° C.

It has been designed to meet the harshest conditions, including temperature, humidity and EMI interference, so we definitely recommend this as a reliable solution for all your 40 Gbps QSFP+ devices.

## Specifications

| Transmit | Min | Type | Max | Unit |
|---|---|---|---|---|
| Output opt. power | -7.6 | - | +2.4 | dBm |
| **Receive** | | | | |
| Avg Rx sensitivity | -9.9 | - | +2.4 | dBm |
| Max received pwr | +2.5 | - | - | dBm |
| LOS de-assert | - | - | -12 | dBm |
| LOS assert | -30 | - | - | dBm |

## Q+DA0001 – a 40 Gbps direct attach QSFP+ cable

Connect two **CRS326-24S+2Q+RM** switches without a hassle – this cable has integrated QSFP+ modules, plug it in and enjoy the speed! The cable is 1 meter long and is fairly flexible – your devices don't have to be on top of each other.

## Specifications

| | |
|---|---|
| Product code | Q+DA0001 |
| Connector type | QSFP+ to QSFP+ |
| Minimum bend radius | 35 mm |
| Cable length | 1 m |
| Temperature | 0°C .. +70°C |
| Max data rate | 40 Gbps |
| Wire AWG | 30 AWG |
| Jacket material | PVC |

## Q+BC0003-S+ – a 40 Gbps QSFP+ breakout cable to 4x10G SFP+

This cable will let you enjoy all the benefits of our new switch with the 40 Gbps ports without upgrading your whole network setup. You can connect the **CRS326-24S+2Q+RM** to 4 other 10G SFP+ devices in a breeze, since the QSFP+ and SFP+ modules are integrated. The cable is 3 meters long, which should be enough for most setups.

## Specifications

| | |
|---|---|
| Product code | Q+BC0003-S+ |
| Connector type | QSFP+ to SFP+ |
| Minimum bend radius | 35 mm |
| Cable length | 3 m |
| Temperature | 0°C .. +70°C |
| Max data rate | 40 Gbps |
| Wire AWG | 30 AWG |
| Jacket material | PVC |