



Araknis Networks Transceiver Modules

100G QSFP28 DAC 1m Passive

AN-SFP-100-D-1 & AN-SFP-100-D-3

This Araknis Networks QSFP28 Transceiver Module is optimized for use with the Araknis AN-920 switch along with the Araknis Network QSFP28 100Gbps Expansion Module (AN-SFP-100G-10). It is available in 1m or 3m options (AN-SFP-100-D-1 features a 1-meter cable, AN-SFP-100-D-3 features a 3-meter cable) with Passive Copper DAC (Direct Attach Cable) designed for server racks needing high-speed data transfer capabilities over shorter distances. With pull-to-release latches on the connectors, swapping out ports becomes quick and easy when working with server racks.

Product Features

- Compliant with SFF-8665
- Compliant with IEEE 802.3bj
- Up to 100Gbps data rates
- Ultra-low crosstalk for improved performance
- Low insertion loss
- Compliant with RoHS



Best Used with Araknis Networks

This QSFP28 transceiver module pairs best with the Araknis Networks AN-920 switch and requires the Araknis Networks QSFP28 100Gbps Expansion Module (AN-SFP-100G-10) sold separately.



Designed for DAC Cables

This QSFP28 transceiver module is available in 1m or 3m DAC cable options in 30AWG copper wire. It includes an enhanced shielding skirt to protect against electromagnetic interference (EMI) and a simple pull-to-release latch design.



High-speed Data Transfer

Supports data speeds up to 100Gbps over a 1m or 3m Passive Copper DAC cable.

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Recommended Operating Conditions*

Parameter	Min	Typ	Max	Notes/Conditions
Operating Case Temperature	-20°C		85°C	
Storage Temperature	-40°C		85°C	
Relative Humidity	35%		60°C	No condensation
Supply Voltage	3.135V		3.465V	
Power Supply Current			10mA	
Total Power Consumption			0.03W	

Notes:

Stress or conditions exceed the above range may cause permanent damage to the device. This is a stress rating only and functional operation of the device at these or any other conditions above those listed in the operational sections of this specification is not applied. Exposure to absolute maximum rating conditions for extended periods may affect device reliability.

Mechanical Dimensions

