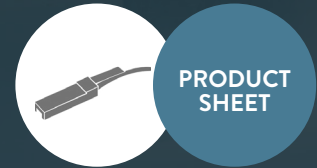# DIRECT ATTACH CABLES
& ACTIVE OPTICAL CABLES

PRODUCT SHEET

At T1Nexus, we offer reliable and cost-effective direct attach (DAC) and active optical (AOC) cables. T1's extensive catalog of DAC and AOC assemblies includes SFP+/QSFP+, SFP28/QSFP28 25G/100G, SFP56/QSFP56 56G/200G, QSFP-SFP 40G/100G/200G, and QSFP-DD/QSFP-DD 400G breakout series. For our active optical cable solutions, T1 delivers cables in lengths up to 100m and beyond, along with active optical cable breakout assemblies up to 20m. Our DACs and AOCs offer seamless integration across many networks, brands, and ports to support all optic requirements for hyper-scale data centers.

HIGH EFFICIENCY AND PERFORMANCE

T1Nexus provides unique and innovative customization through a variety of options. A cables' type, length, and color are all included in our variety of customizable options. At T1Nexus, we are committed to establishing customer satisfaction at our forefront. If you require a different release mechanism or pull-tab color, T1Nexus can work with you to fulfill your unique requirements. Additionally, we offer pre-bundled and labeled assemblies for datacenter applications. These bundled rack assemblies save cost, simplify inventory management, and reduce deployment time. Please ask us about private brand labeling options if you are building a brand and in search of a reliable partner.

T1 Nexus combines efficient, high volume manufacturing with continuous monitoring and process improvement to deliver ultra-reliable DACs and AOCs you can depend on at the best value.

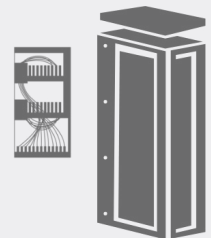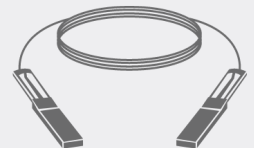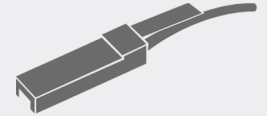## DIRECT ATTACH CABLES (DAC): 10G, 25G, 40G, AND 200G

Direct Attach Cables function to avoid EM interference through running a direct connector-to-connector electrical connection through a thick copper wire. Cables typical range from one to five meters and can be established in network racks to connect the network elements. Our DACs come in both active and passive forms. Active DACs provide a lower profile cable solution for smaller wiring environments. Passive DACs provide lower power consumption in larger wiring environments.

ACTIVE OPTICAL CABLES (AOC): 10G, 25G, 40G, AND 100G

Active Optical Cables offer short reach connections between 10m and 100m that reduce the complexity of a standard fiber optic install with their plug and play assembly. AOCs are fixed fiber optic transceivers on a fiber cable to offer the most advanced, cost-effective solutions. With single AOCs being 3.0mm in cable diameter, they greatly reduce the cable pile up in data centers cable trays.

PLUG-N-PLAY H25G/H100G RACK BUNDLES

Custom Rack bundles for latest Open Compute Open Rack configurations. Save time and money utilizing T1Nexus custom switch/server matching pre-configured DAC bundles. Hybrid 25G solutions available (backwards compatible to 10G) or 100G solutions.

VISIT WWW.T1NEXUS.COM FOR MORE INFORMATION