1 Gbps MoCA SFP+
MDU Solutions Multi-Gigabit Over Coax

The MoCA SFP+ developed by MDSLink is an Ethernet over Coax (EoC) solution for delivering symmetrical Gigabit data services in MDUs, Hospitality and small campus environments utilizing standard switching appliances. Powered by MoCA Access 2.5 technology, the SFP+ form factor provides unmatched versatility, modularity and economy for rapid plug-n-play deployments resulting in exceptional time to market.
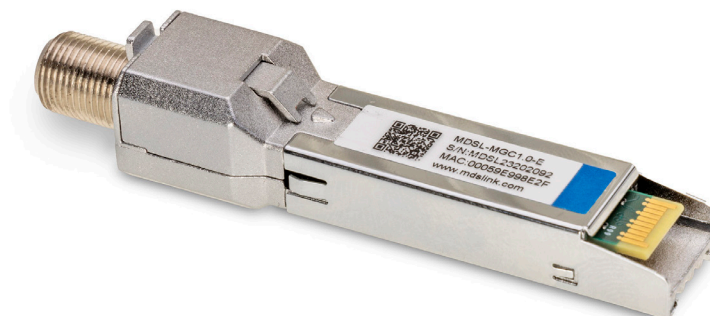
The MoCA SFP+ is designed to interface with conventional 1 G / 10 G switching platforms and can be used in both high density and low density network architectures. TDMA allows for conventional symmetrical performance across the MoCA band for exceptional upstream performance and low latency.

Available in high band and low band to accommodate legacy signal architectures, the MoCA SFP+ enables seamless 4K HDTV, streaming and gaming applications in the most compact and economical design.

MoCA Access 2.5 silicon capable of supporting up to 2.5 Gbps symmetrical data rates powers the SFP+ and enables robust performance even in the presence of ingress and noise.

The MoCA SFP+ is supported by a wide range of ethernet switching appliances including Intercept by Antronix EDGe series and is highly effective for capitalizing on coax and copper cabling infrastructure while transitioning to an all fiber Open XGS PON network in a single, environmentally hardened and highly versatile hardware platform.

- **Symmetrical Gigabit Performance**
- **Easy Deployment**
- **Re-Use In-Building Coax**
- **Cost Effective**
- **Range**

Ordering	
EoCF-STK10L	1 Gbps
EoCF-STK10H	1 Gbps
EoCF-STK25H	2.5 Gbps

Specifications

Absolute Maximum Ratings

	Min	Max	Unit
Input Voltage Range (Vi)	3.1	3.3	V Source Current
(Is)	0.36	0.89	A
Operating Virtual Junction Temperature Range	-40 C	85 C	Celsius
Storage Temperature Range	-40 C	120 C	Celsius

Product Feature

Sr. No	Feature	
1	Support MoCA 2.5	Backward interoperable with MoCA 2.0, 1.5 and 1.0
2	Interfaces	SFI Interface Port, F-Type Connecter
3	Regulatory Approvals	FCC, CE, UL, CSA
4	Protection	OCP, OVP and SCP
5	Max PER	1e-6 / 1e-8
6	Latency	<6.1 mS/<3 mS(LLF)

RF Specification

Sr. No	Feature	Limit / Comment
1	Max Transmit Power	4 dBm
2	Receiver Sensitivity*	-55 dBm
3	RF Interface	F- Type Connector
4	RF Impedance	75 Ω
5	RF Frequency Band	400 MHz – 1675 MHz (Low, High, MultiBand)
6	Modulation	Up to 1024 QAM
7	Throughput	Up to 1.0 Gbps - 2.5 Gbps