

OPTICAL MODULES • SFP TRANSCEIVER

ALMOD-MGT1000A

1-P 10/100/1000Base-T copper SFP module, 1.25Gbps

The Antek Labs ALMOD-MGT1000A is a hot-pluggable SFP optical transceiver compliant with the SFP MSA and SFF-8472 Digital Diagnostic Monitoring interface. 1-P 10/100/1000Base-T copper SFP module, 1.25Gbps. It provides full DDM telemetry, Class-1 laser safety and low power consumption for switches, media converters, routers and server interfaces.

KEY FEATURES

- Hot-pluggable SFP form factor, compliant with SFP MSA and SFF-8472.
- Digital Diagnostic Monitoring (DDM) — optical power, temperature, voltage and bias telemetry.
- Class-1 laser safety; low EMI and excellent ESD protection.
- Low power consumption (< 1 W); compatible with Antek and standard SFP host ports.

GENERAL

Type	1-P 10/100/1000Base-T copper SFP module, 1.25Gbps
Data rate	1.25 Gbps
Form factor	SFP / SFP+ (hot-pluggable, MSA)
Connector	RJ45
Fiber / media	Single-mode

TRANSMITTER

Laser / safety	FP/DFB laser, Class 1 (IEC 60825)
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RECEIVER

Detector	PIN photodiode with TIA
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ELECTRICAL & DIAGNOSTICS

Supply voltage	3.3 V
Supply current	350 mA (max)
Power consumption	< 1 W
DDM	SFF-8472 Digital Diagnostic Monitoring
Compliance	SFP MSA, SFF-8472; IEEE 802.3z / 802.3ae (rate-dependent)

ENVIRONMENTAL

Operating temperature	0 C to +70 C
Storage temperature	-40 C to +85 C

WARRANTY

Warranty

1 year, lifetime support

ORDERING INFORMATION**ALMOD-MGT1000A** 1-P 10/100/1000Base-T copper SFP module, 1.25Gbps.

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