

Datasheet

Skylight sensor: modules

1G and 10G service assurance and demarcation

Add key performance assurance features to address the end-to-end service lifecycle—including service activation testing (SAT), continuous performance monitoring, passive flow metering and capture, and MEF-type service demarcation, assurance and connectivity fault management (CFM). All this in a small form factor module automated and orchestrated through Skylight sensor: control software.

These modules are equipped with a fully-featured FPGA capable of active Layer 2-4 testing and traffic generation, in a compact, power-efficient footprint—without compromising performance, scalability, and precision. This makes Skylight modules an ideal fit for cost and space-sensitive applications, where performance is a key service differentiator.



Skylight sensor:
module 10G



Skylight sensor:
module 1G

1G modules

Model	Speed	Power supply	Ports	DHCP enabled	CLEI label	Bypass for electrical ports	Temp. hardened	Part number
sensor: module 1G	100/1000 Mbps	Internal AC	2x combo		•			772-213
	100/1000 Mbps	Internal AC	2x combo	•	•			772-214
	100/1000 Mbps	Internal AC	2x combo	•	•	•		772-217
	100/1000 Mbps	Internal AC	2x combo		•	•		772-218
	100/1000 Mbps	Internal AC	2x combo		•		•	772-313
	100/1000 Mbps	Internal AC	2x combo	•	•		•	772-314
	100/1000 Mbps	Internal AC	2x combo	•	•	•	•	772-317
	100/1000 Mbps	Internal AC	2x combo		•	•	•	772-318
	100/1000 Mbps	Internal AC	2x RJ-45		•			772-413
	100/1000 Mbps	Internal AC	2x RJ-45	•	•			772-414
	100/1000 Mbps	Internal AC	2x RJ-45	•	•	•		772-417
	100/1000 Mbps	Internal AC	2x RJ-45		•	•		772-418
	100/1000 Mbps	DC	2x combo		•			772-203
	100/1000 Mbps	DC	2x combo	•	•			772-204
	100/1000 Mbps	DC	2x combo	•	•	•		772-207
	100/1000 Mbps	DC	2x combo		•	•		772-208
	100/1000 Mbps	DC	2x combo		•		•	772-303
	100/1000 Mbps	DC	2x combo	•	•		•	772-304
	100/1000 Mbps	DC	2x combo	•	•	•	•	772-307
	100/1000 Mbps	DC	2x combo		•	•	•	772-308

10G modules

Model	Speed	Power supply	Ports	CLEI label	Temp. hardened	Part number
sensor: module 10G	1/10 Gbps	AC	2x SFP+	•		775-040
	1/10 Gbps	DC	2x SFP+	•		775-020
	1/10 Gbps	AC	2x SFP+	•	•	775-140
	1/10 Gbps	DC	2x SFP+	•	•	775-120

1G specifications

Power & connectivity	
AC power input	100-240 VAC, 0.4 A max, 50-60 Hz
DC power input	20-57 VDC, 0.75 A max
Physical specifications	
Dimensions	1.42 H x 4.67 W x 5.25 D in. (36.1 H x 118.6 W x 133.4 D mm)
Weight	AC 625 g or 22 oz. DC 590 g or 21 oz.
Environmental	
Operating temperature	0°C to +50°C (commercial) -40°C to +65°C (industrial)
Maximum altitude	2000 meters above sea level
Cold start	-25°C
Storage temperature	-40°C to +70°C
Operating/storage humidity	5-95% RH, non-condensing
Regulatory and certification	
FCC Part 15 Class B, ICES-003 Class B	

10G specifications

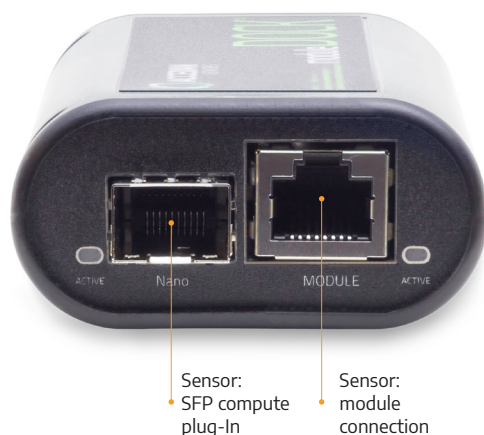
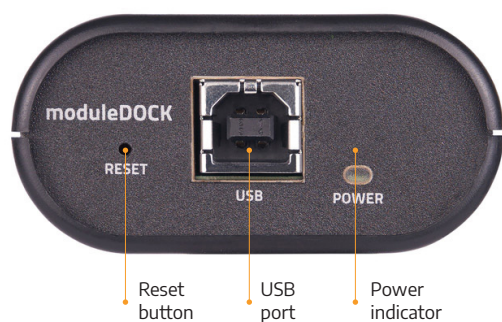
Power & connectivity	
DC power input	20-57 VDC, 1.75 A MAX
AC power input	100-240 VAC, 50-60 Hz, 0.6 A MAX
Physical specifications	
Dimensions	1.5 H x 5.7 W x 7.8 D in. (38.1 H x 145 W x 198 D mm)
Weight	100 g or 53 oz.
Environmental	
Operating temperature	0°C to +50°C (Commercial) -40°C to +65°C (Industrial with CoolBreeze Fan Tray)
Maximum altitude	2000 meters above sea level
Storage temperature	-40°C to +70°C
Operating/storage humidity	5-95% RH, non-condensing (Temperature hardened)
Regulatory and certification	
FCC Part 15 Class A, ICES-003 Class A	

1G SFP port power limits

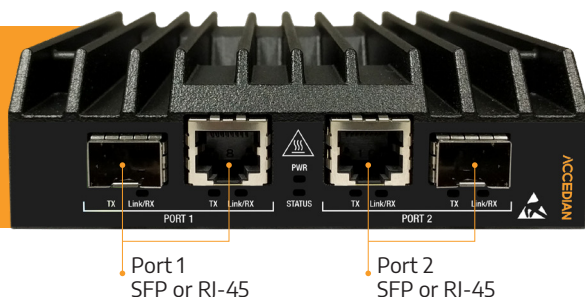
Max power per SFP port	SFP type	Installation location	Ambient operating temperature
Commercial operating temperature			
1.1 W	Commercial (70°C)	Any area	50°C
2.5 W	Industrial (85°C)	Any area	50°C
Industrial (temp. hardened) operating temperature			
1.1 W	Industrial (85°C)	Restricted access	65°C
2.5 W	Industrial (85°C)	Any area	50°C
The maximum power per SFP slot depends on the Skylight sensor: module type, the SFP type, the installation location and the ambient operating temperature of the unit. Total Power Budget for SFP Slots = 3.4 W			

10G SFP+ port power limits

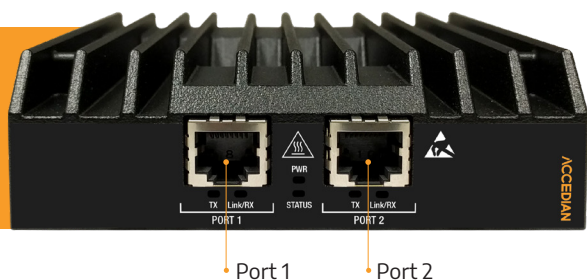
Max Power per SFP port	SFP type	Installation location	Max ambient operating temperature
Commercial operating temperature			
1.5 W	Commercial (Tcase 70°C)	Ordinary location	40°C
2.0 W	Industrial (Tcase 85°C)	Restricted access area	50°C
Industrial (temp. hardened) operating temperature			
1.5 W	Industrial (Tcase 85°C)	Restricted access	65°C
2.0 W	Industrial (Tcase 85°C)	Ordinary location	55°C
The maximum power per SFP slot depends on the installation location, the Skylight sensor: module type, the SFP type and the maximum operating temperature of the unit. Details provided in the installation guide			



2x
Combo
Ports



2x
RJ-45



Contact us

For detailed specifications, ask for a copy of our Capabilities Matrix. Our engineers can help you select the right unit for your application:

Accedian.com/contact

Dock specifications

Power & connectivity

Supply/voltage	USB 2.0
Maximum power consumption	2.5 W

LED indicators

RJ45 module activity LED
SFP module activity LED
Product LED for power and status

Cooling

Passive (fanless device)

Physical specifications

Dimensions	1.15" H x 2.3" W x 5.4" D in. (30 H x 58 W x 137 D mm)
Weight	115 g (4 oz.)

Environmental

Standard operating temperature	0°C to +50°C
Storage temperature	-40°C to +70°C
Maximum altitude	2000 meters above sea level
Operating/storage humidity	20-80% RH, non-condensing

Language support

The language of the AMD's application interface can be changed on-the-fly without restarting.

Current	English
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Warranty

One-year limited warranty covering parts and labor

Regulatory and certification

FCC part 15/ICES 003 class A
CE marking approval
WEEE compliant

Models

Model	Description	Part Number
AMD-1000-DX	• 1 x 12" (30cm) USB 2.0 cable	773-000