AiSPiRE®
ABiCUS DMX Gateway

AiSPiRE
LIGHT. EXPERIENCED.

Fixture Type: _____

Catalog Number: _____

Project: _____

Location: _____

FINISHES

Gray/Black

INTEGRATES WITH

Control 4, Crestron HOME & SIMPL, Lutron, Nice (Elan), Savant, Vantage & URC*

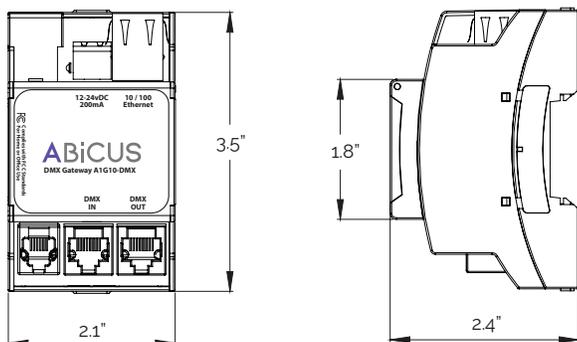| Model		L x W x H
A1G10-DMX	_ABiCUS DMX Lighting or Fan IP Gateway_	_3.5" x 2.4" x 2.1" (90mm x 60mm x 54mm)_
A1G20-DMX	_ABiCUS DMX Lighting and Fan IP Gateway_	_3.5" x 2.4" x 2.1" (90mm x 60mm x 54mm)_

Example: A1G10-DMX

FEATURES

- DMX-512-A Lighting Gateway
- Up to 32 DMX devices or 16 Modern Forms Fans
- Translator between Platform and DMX Connected Devices or IP Connected Modern Forms Fans
- A1G10-DMX discrete control of either DMX or Fan IP
- A1G20-DMX control of either or both DMX and Fan IP
- A1G20-DMX Lutron QSX enabled
- Hosts Unique Device Profile Configuration with Store / Recall Presets
- IP Addressed & Configured. Firmware upgradable
- Onboard web server with file sharing and auto discovery
- Compatible with 3rd party automation platforms
- Supports bi-directional communication
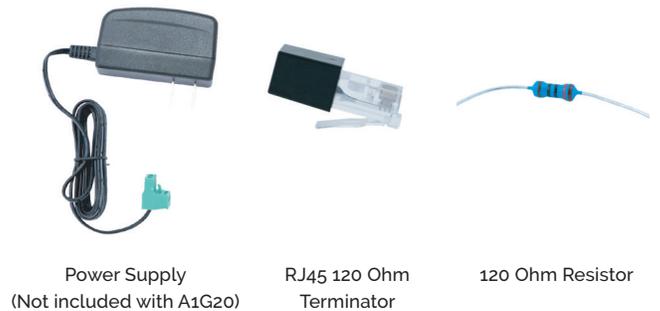- mDNS auto discovery & SDDP capable

SPECIFICATIONS

Input (A1G10):	12VDC-24VDC 200mA Power Supply (included): 120-240VAC 50/60Hz
Input (A1G20):	12VDC-24VDC 200mA (Optional) POE Type 1 / Class 0
Control:	DMX-512A
Channel Line up	512 Channel / Single Universe Ethernet Adapter
Mounting:	35MM DIN RAIL (Enclosure / Rack or Wall)
Standards:	UL, CE, FCC (Class B), RoHS 2.4GHz WiFi Dry Location
Driver Library:	Platform Integration Gateway IP for Modern Forms Fans Proxy UI
Package Content:	1 x DMX Lighting Gateway 1 x 12vDC power supply unit (A1G10-DMX only) 1 x RJ45 120 Ohm network terminator 1 x 120 Ohm network resistor

LINE DRAWING

3.5"

1.8"

2.1"

2.4"

ACCESSORIES (INCLUDED IN BOX)

Power Supply
(Not included with A1G20)

RJ45 120 Ohm
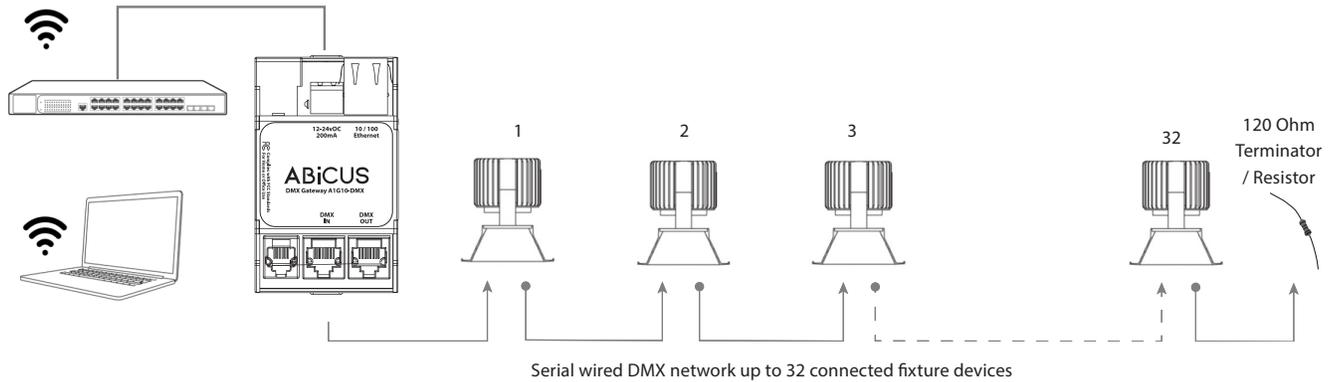Terminator

120 Ohm Resistor

* Integration and gateway performance subject to change based on continuous improvement. Contact AiSPIRE for latest compatibility
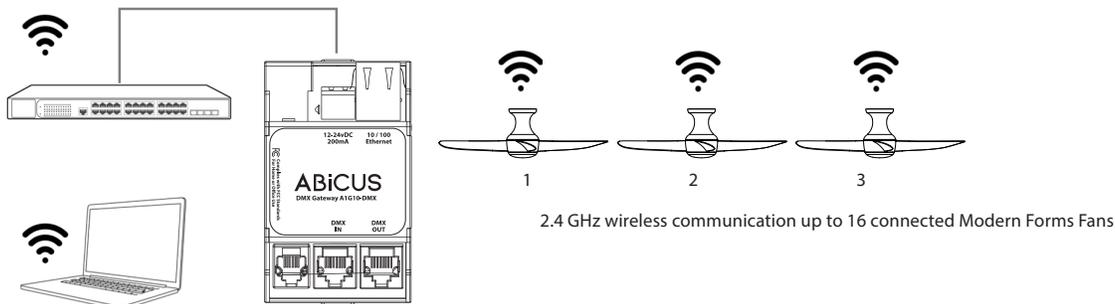
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A1G10-DMX Network Topology

Note: The A1G10-DMX ABiCUS Gateway can control a standard 512 DMX Single Universe or in Fan IP Gateway mode for Modern Forms Fans, Fan control and lighting control topology is mutually exclusive and requires separate ABiCUS's, thus use discrete ABiCUS gateway(s) for lighting and fans if both types are on same the project.

The following FIG.1 & FIG.2 schematics are intended to guide traditional DMX or Gateway IP installations.

FIG.1 DMX 512 wired fixture communication

Serial wired DMX network up to 32 connected fixture devices

OR

FIG. 2 Gateway IP wireless Fan communication

2.4 GHz wireless communication up to 16 connected Modern Forms Fans

A1G20-DMX Network Topology

Note: The A1G20-DMX ABiCUS Gateway can control a standard 512 DMX single universe and Gateway IP mode up to 16 wirelessly connected Modern Forms Fans simultaneously

The following FIG.3 schematic is intended to guide traditional DMX and Gateway IP installations

FIG.3 Wired DMX 512 and wireless Gateway IP communication

2.4 GHz wireless communication up to 16 connected Modern Forms Fans

Serial wired DMX network up to 32 connected fixture devices

AiSPIRE retains the right to modify the design of our products at any time as part of the company's continuous improvement program. APR 2024