UQFP Series
ultra quiet fan panels

provides smart cooling and monitoring where
fan noise is not an option

features:
- Quiet operation, 27dB at full speed for 4 fan models,
  24dB at full speed for 2 fan models
- Overtemp and fan failure notification
- 100 CFM in 4 fan units, 50 CFM in 2 fan units
- Available with commercial and designer inspired
  aesthetic treatments
- Fan speeds proportional to temperature of enclosure
  to extend fan life, reduce dust and maintenance
- Model available with intake and exhaust units
- Temperature probe with 9’’ cord and wire ties included
- Compact design occupies only 2 rackspaces

specifications:

Model #s UQFP-2, UQFP-4
EIA compliant 19” Ultra Quiet Fan Panel shall be Middle Atlantic Products model # UQFP-__(2,4). Panel shall be constructed of 16-gauge steel, finished in a durable black powder coat and shall occupy 2 rackspaces. Fans shall activate at 81°F (27°C), reach full speed at 90°F (32°C) and switch off at 79°F (26°C). Fans shall displace ___CFM (50,100) with a maximum decibel level of ___ (24,27) dB (measurements made 1 meter from source, centered horizontally and vertically). Overtemp alarm set point shall be 100°F (37°C). Panel shall provide local status notification of power (green LED), fan speed (yellow LED) and overtemp (red LED). Fan LED light shall blink relative to fan speed. Rear, normally open dry switch closure shall provide overtemp alarm signal to compatible, customer supplied monitoring device. Fan panel shall be RoHS EU Directive 2002/95/EC compliant. Fan panel shall be RoHS EU Directive 2002/95/EC compliant. Panel shall have a UL Listed 5V DC power supply with 6’ cord and temperature probe with a 9’’ cord.

Model #s UQFP-2D, UQFP-4D (with display)
EIA compliant 19” Ultra Quiet Fan Panel with local notification display shall be Middle Atlantic Products model # UQFP-__(2,4)D. Panel shall be constructed of 16-gauge steel, finished in a durable black powder coat and shall occupy 2 rackspaces. Fans shall activate at 81°F (27°C), reach full speed at 90°F (32°C) and switch off at 79°F (26°C). Fans shall displace ___CFM (50,100) with a maximum decibel level of ___ (24,27) dB (measurements made 1 meter from source, centered horizontally and vertically). Panel shall provide local status notification of power (green LED), fan speed (yellow LED) and overtemp (red LED). Fan LED light shall blink relative to fan speed. Rear, normally open dry switch closure shall provide overtemp alarm signal to compatible, customer supplied monitoring device. Overtemp alarm set point shall be user definable from 95°-115°F (35°-46°C). Unit shall remember settings when unplugged or during power outage. Front display shall provide notification of overtemp and fan fault conditions. Rear, normally open dry switch closure shall provide fan fault alarm signal to compatible, customer supplied monitoring device. Alarm set point button shall control Fahrenheit/Celsius setting and overtemp alarm threshold in 1-degree increments. Fan panel shall be RoHS EU Directive 2002/95/EC compliant. Fan panel shall be RoHS EU Directive 2002/95/EC compliant. Panel shall have a UL Listed 5V DC power supply with 6’ cord and temperature probe with a 9’’ cord.

Model #s UQFP-4RA, UQFP-4RA-I/O, UQFP-4DRA, UQFP-4RIS, UQFP-4RA-INT (Designer Inspired)
Designer Inspired Ultra Quiet Fan Panel shall be Middle Atlantic Products model # UQFP-4__. Overtemp alarm set point shall be user definable from 95°-115°F (35°-46°C) (not available on UQFP-4RA, UQFP-4RA-I/O, UQFP-4RIS or UQFP-4RA-INT). UQFP-4RA-INT shall include an intake only. UQFP-4RA-I/O shall include an intake and exhaust fan. UQFP-4RIS shall be intake only, and connect with an ethernet cable. Overtemp alarm output shall be normally open dry contact closure for use with customer supplied monitoring system. Unit shall remember settings when unplugged or during power outage. Fans shall activate at 81°F (27°C) and operate at speeds proportional to temperature inside enclosure. Fans shall displace 100 CFM with a maximum decibel level of 27dB (measurements made 1 meter from source, centered horizontally and vertically). Panel shall occupy two rackspaces. Chassis shall be constructed of 20-gauge steel with 16-gauge aluminum face. Panel shall provide local sensor fault notification (not available on UQFP-4RA or UQFP-4RA-I/O). Panel shall have a UL Listed 5V DC power supply with 6’ cord and temperature probe with a 9’’ cord.

Customizable specification clips available at middleatlantic.com

EIA/TIA COMPLIANT
### UQFP Series
#### basic dimensions

All dimensions in inches unless otherwise noted. All dimensions in brackets are in millimeters.

#### UQFP-4D

<table>
<thead>
<tr>
<th>Top View</th>
<th>Front View</th>
<th>Rear View</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Top View" /></td>
<td><img src="image2.png" alt="Front View" /></td>
<td><img src="image3.png" alt="Rear View" /></td>
</tr>
</tbody>
</table>

#### UQFP-4XXX

<table>
<thead>
<tr>
<th>Top View</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image4.png" alt="Top View" /></td>
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### Specifications

<table>
<thead>
<tr>
<th>Part #</th>
<th># of Fans</th>
<th>Local LED</th>
<th>Fan LED</th>
<th>Overtemp LED</th>
<th>User Definable Setting</th>
<th>Fan Failure Notification</th>
<th>Airflow</th>
<th>Overtemp Alarm Output</th>
<th>Fan Fault Alarm Output</th>
<th>5 VDC Input Jack</th>
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</thead>
<tbody>
<tr>
<td>UQFP-2D</td>
<td>2</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>650 mA</td>
<td>50 CFM</td>
<td>24 dB</td>
<td>black powder coat</td>
</tr>
<tr>
<td>UQFP-4D</td>
<td>4</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>1.1 A</td>
<td>100 CFM</td>
<td>27 dB</td>
<td>black powder coat</td>
</tr>
<tr>
<td>UQFP-2</td>
<td>2</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>550 mA</td>
<td>50 CFM</td>
<td>24 dB</td>
<td>black powder coat</td>
</tr>
<tr>
<td>UQFP-4</td>
<td>4</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>1.1 A</td>
<td>100 CFM</td>
<td>27 dB</td>
<td>black powder coat</td>
</tr>
<tr>
<td>UQFP-4RA</td>
<td>4</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>560 mA</td>
<td>100 CFM</td>
<td>27 dB</td>
<td>black brushed anodized</td>
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<tr>
<td>UQFP-4RA-I/O</td>
<td>8</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>510 mA</td>
<td>100 CFM</td>
<td>27 dB</td>
<td>black brushed anodized</td>
</tr>
<tr>
<td>UQFP-4RA-INT**</td>
<td>4</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>560 mA</td>
<td>100 CFM</td>
<td>27 dB</td>
<td>black brushed anodized</td>
</tr>
<tr>
<td>UQFP-4RIB*</td>
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<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>510 mA</td>
<td>100 CFM</td>
<td>27 dB</td>
<td>black brushed anodized</td>
</tr>
</tbody>
</table>

*The UQFP-4RIB is an intake panel and can only be used in conjunction with the UQFP-4RA.
**UQFP-4RA-INT is a standalone intake unit without display (cannot be controlled by other models).

Overtemp Alarm Output (N.O.)
Fan Fault Alarm Output (N.O.)
Temperature Probe
5 VDC Input Jack

#### Controls and Settings

Press once to view the current overtemp alarm setting. Each additional push will raise the overtemp alarm setting by 1°F. To toggle between Fahrenheit and Celsius, press and hold for 3 seconds.

### UQFP Series Diagrams

- **Top View**
- **Front View**
- **Rear View**
- **Side View**

### UQFP-4D Diagrams

- **Top View**
- **Front View**
- **Rear View**
- **Side View**

### UQFP-4XXX Diagrams

- **Top View**

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