Rackmount or standalone, these converters won’t break the bank!

**Features:**

- Feature popular media converter interfaces at value prices.
- Layer 1 media conversion is transparent to data and offers plug-and-play installation.
- Use as standalone media converters or in a convenient 14-slot rackmount chassis.
- Choose from 10-/100-Mbps converters or Gigabit converters.
- Diagnostic LEDs for easy troubleshooting.
- SFP model accepts standard SFPs, enabling you to adapt the interface to your requirements.
- Link-fault passthrough alerts you to “silent failures” on the fiber side.
- Fast Ethernet models feature UTP ports that are autonegotiating for speed and duplex.
- Auto MDI/MDI-X on all copper ports.
Economical.

Black Box® Pure Networking Media Converters enable you to extend your network over fiber at a price that won’t eat up your budget. Available in basic 10-/100- or 1000-Mbps models, these affordable converters can cover most of your network’s media conversion requirements—there’s even a rackmount chassis for enterprise network applications.

The 10/100 models extend your network up to 2 kilometers (1.2 miles) over multimode fiber or up to 20 kilometers (12.4 miles) over single-mode fiber.

Gigabit models extend your network 500 meters (1640 ft.) over multimode fiber or up to 15 kilometers (9.3 miles) over single-mode fiber.

SFP model provides extra versatility.

The SFP Converter (LGC200A) features a Gigabit twisted-pair port plus a standard SFP slot, which enables you to customize the converter with an SFP to get the fiber interface of your choice. Through the use of SFPs, you can extend a network up to 30 kilometers (18.6 miles) over single-mode fiber. This converter accepts any standard 1250-Mbps SFP.

Converter specifications:

Environmental —
Operating temperature: +32 to +104° F (0 to +40° C);
Storage temperature: -40 to +158° F (-40 to +70° C);
Operating humidity: 10 to 90%, noncondensing;
Storage humidity: 5 to 90%, noncondensing

CE Approval — Yes

Connectors — LHC201A–LHC202A, LGC201A–LGC202A:
(1) RJ-45, (1) pair of SC;
LGC200A: (1) RJ-45, (1) SFP slot

Indicators — LHC201A–LHC202A: LEDs: (1) PWR, (1) LFP,
(1) FX Link/Act, (1) TP SPD, (1) TP FX/Col, (1) TP Link/Act;
LGC200A–LGC202A: LEDs: (1) PWR, (1) FX Link, (1) TP Link, (1) TP RX

Power — Input: 100–240-VAC, 50–60-Hz external power supply,
0.3A @ 120 V;
Output: 9 VDC, 0.6 A, 5.4 watts maximum

Size — 3.7”H x 2.9”W x 1.1”D (9.4 x 7.3 x 2.7 cm)

Weight — 0.6 lb. (0.3 kg) without power adapter
Optional 14-Slot Rackmount Chassis.

Pure Networking Media Converters may be used individually, but when installing multiple converters, the 14-Slot Rackmount Chassis is a tidy solution. The chassis mounts on standard 19” rails and holds and powers up to 14 media converters in only 2U of rack space. Two rear fans circulate air and cool the media converters.

Because the Rackmount Chassis powers the media converters, there’s no need to supply a power outlet for each converter. The chassis’ passive-backplane architecture ensures steady power input for each media converter. Overvoltage and overcurrent protection guard the converters from power surges and spikes. Add the optional Redundant AC Power Supply to the chassis to provide backup power in case the first power supply goes down. Both media converters and power supplies are hot swappable for maximum uptime.

Chassis specifications:

Environmental —
- Operating temperature: +32 to +104°F (0 to +40°C);
- Storage temperature: -40 to +158°F (-40 to +70°C);
- Operating humidity: 10 to 90%, noncondensing;
- Storage humidity: 5 to 90%, noncondensing

CE Approval — Yes

Power — Input: 110–240-VAC, 50–60-Hz, 0.3A @ 120 V;
- Output: +9.5VDC, 9.5A

Size — 3.4”H (2U) x 19”W x 14.1”D (8.6 x 48.3 x 35.8 cm)

Weight — 17.6 lb. (8 kg)
### Pure Networking Media Converters

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-/100-Mbps Copper to 100-Mbps Fast Ethernet Duplex Fiber</td>
<td></td>
</tr>
<tr>
<td>Multimode, 1310-nm, 2 km, SC</td>
<td>LHC201A</td>
</tr>
<tr>
<td>Single-Mode, 1310-nm, 20 km, SC</td>
<td>LHC202A</td>
</tr>
<tr>
<td>1000-Mbps Copper to 1000-Mbps Gigabit Ethernet Duplex Fiber</td>
<td></td>
</tr>
<tr>
<td>Multimode, 850-nm, 0.5 km, SC</td>
<td>LGC201A</td>
</tr>
<tr>
<td>Single-Mode, 1310-nm, 15 km, SC</td>
<td>LGC202A</td>
</tr>
<tr>
<td>SFP</td>
<td>LGC200A</td>
</tr>
<tr>
<td>Accessories</td>
<td></td>
</tr>
<tr>
<td>14-Slot Rackmount Chassis</td>
<td>LHC200A-RACK</td>
</tr>
<tr>
<td>Redundant AC Power Supply for 14-Slot Rackmount Chassis</td>
<td>LHC200A-RACK-PS</td>
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### SFPs (1.25 Gbps with extended diagnostics)

<table>
<thead>
<tr>
<th>Category</th>
<th>Type</th>
<th>Code</th>
<th>SM or MM</th>
<th>Wavelength</th>
<th>Distance</th>
<th>DDM Support</th>
<th>Connector Type</th>
<th>Power Budget</th>
<th>Operating Temperature</th>
<th>Application</th>
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</thead>
<tbody>
<tr>
<td>1250-Mbps Fiber</td>
<td>SFP</td>
<td>LFP411</td>
<td>MM</td>
<td>850 nm</td>
<td>550 m</td>
<td>Yes</td>
<td>LC</td>
<td>7.5 dBm</td>
<td>-40 to +185°F</td>
<td>GbE, 1000BASE-SX</td>
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<tr>
<td></td>
<td>SFP</td>
<td>LFP412</td>
<td>MM</td>
<td>1310 nm</td>
<td>2 km</td>
<td>Yes</td>
<td>LC</td>
<td>10 dBm</td>
<td>-40 to +185°F</td>
<td>GbE, 1000BASE-SX2</td>
</tr>
<tr>
<td></td>
<td>SFP</td>
<td>LFP413</td>
<td>SM</td>
<td>1310 nm</td>
<td>15 km</td>
<td>Yes</td>
<td>LC</td>
<td>10.5 dBm</td>
<td>-40 to +185°F</td>
<td>GbE, 1000BASE-LX</td>
</tr>
<tr>
<td></td>
<td>SFP</td>
<td>LFP414</td>
<td>SM</td>
<td>1310 nm</td>
<td>40 km</td>
<td>Yes</td>
<td>LC</td>
<td>21 dBm</td>
<td>-40 to +185°F</td>
<td>GbE, 1000BASE-LHX</td>
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### SFPs (125 Mbps with extended diagnostics)

<table>
<thead>
<tr>
<th>Category</th>
<th>Type</th>
<th>Code</th>
<th>SM or MM</th>
<th>Wavelength</th>
<th>Distance</th>
<th>DDM Support</th>
<th>Connector Type</th>
<th>Power Budget</th>
<th>Operating Temperature</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>155-Mbps Fiber</td>
<td>SFP</td>
<td>LFP401</td>
<td>MM</td>
<td>850 nm</td>
<td>2 km</td>
<td>Yes</td>
<td>LC</td>
<td>14 dBm</td>
<td>-40 to +185°F</td>
<td>Fast Ethernet, 100BASE-SX</td>
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<tr>
<td></td>
<td>SFP</td>
<td>LFP402</td>
<td>MM</td>
<td>1310 nm</td>
<td>2 km</td>
<td>Yes</td>
<td>LC</td>
<td>12 dBm</td>
<td>-40 to +185°F</td>
<td>Fast Ethernet, 100BASE-FX</td>
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<td></td>
<td>SFP</td>
<td>LFP403</td>
<td>SM</td>
<td>1310 nm</td>
<td>30 km</td>
<td>Yes</td>
<td>LC</td>
<td>19 dBm</td>
<td>-40 to +185°F</td>
<td>Fast Ethernet, 100BASE-LX</td>
</tr>
<tr>
<td></td>
<td>SFP</td>
<td>LFP404</td>
<td>SM</td>
<td>1310 nm</td>
<td>60 km</td>
<td>Yes</td>
<td>LC</td>
<td>30 dBm</td>
<td>-40 to +185°F</td>
<td>Fast Ethernet, w100BASE-EX60</td>
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</tbody>
</table>