Wall Plate Extenders
More Interfaces, Less Hassle
CONTENT

03 - 04  Why Choose Wall Plate Extenders?
05 - 06  Benefits of ATEN Wall Plate Extenders
07 - 08  Size Compatible with US, EU, MK Standards
09      Applications
10 - 12  HDBaseT Wall Plate Extenders
13      Cat5 / Cat6 Wall Plate Extenders
14      Comparison Table and Cables
Why Choose Wall Plate Extenders?

The convenience and elegance that only wall plate extenders provide enable you to immerse AV extensions into any application, such as on walls or tables, to fit any kind of room décor. Experience this with the following advantages of wall plate extenders:

**Conceal Cabling**
- Hide bulky cabling and other installed equipment out of sight

**Convenient Placement**
- Flexibly place signal input and output connections exactly where they are needed

**Complimentary Design**
- Mount on any surface while simply blending in with the environment
Elegantly Immerse Extensions into Any Room

By blending into the surfaces they are mounted on, wall plate extenders create a smart, clutter-free experience that provides handy AV input and output connections exactly where you need them in a stylish manner.
Benefits of ATEN Wall Plate Extenders

The popularization of professional audio and video applications to enhance presentation efficiency has resulted in new ways of managing and delivering signals while concealing cables and other equipment out of sight. ATEN offers a range of wall plate extenders that supports long distance transmissions, delivering reliable AV experiences in style.

**Convenient Installation**
Support for US/decora, EU/MK wall plates offers comprehensive options across different regions.

**Superior Video Quality**
Delivers superior video quality of up to 4K video, 4096 x 2160 / 3840 x 2160 @ 60Hz (4:2:0)

**HDBaseT Support**
Ensures high quality long distance video transmission of up to 4K@100m and 1080p@150m via single Cat 6 cable.

**Interface Conversion**
Convert inputs to support popular digital output interfaces such as DVI, HDMI, DP
Size Compatible with US, EU, MK Standards

ATEN US/decora-type wall plate extenders can be conveniently mounted in standard wall boxes. In addition, the EU/MK-type wall plates are designed with minimal dimension requirements which are compatible to fit both EU and MK standards across different regions.

US-Type

EU / MK-Type

*Reference Wall Opening (L x W x H):
7.1 x 5.2 x 4.4 cm (2.8 x 2.05 x 1.73 in)
US-Type

EU / MK-Type

*Reference Wall Opening (L x W x H):
9.5 x 9.84 x 4.2 cm (3.74 x 3.87 x 1.65 in)

*Reference Wall Opening (L x W x H):
5.25 x 11.1 x 3.55 cm (2.07 x 4.37 x 1.4 in)
Applications

ATEN Wall Plate Extenders can be mounted on tables and walls, which is perfect for diverse applications such as in lecture halls, meeting rooms, and conference rooms where these challenges are faced:

- Extending AV sources across long distances to output device
- Switching between source input without having to interrupt the event in process
- Messy cabling that needs to be hidden out of view
HDBaseT Wall Plate Extenders

**VE2812UST / VE2812EUT**
HDMI & VGA HDBaseT Transmitter (4K@100m)

- Extends up to 4096 x 2160 / 3840 x 2160 @ 60Hz (4:2:0) at 40m, and 1080p at 70m
- HDMI 1.4 (3D, Deep color, 4K); HDCP 2.2 Compliant
- Compatible with HDBaseT-certified 3rd party device

![VE1801UST (US)](image1)
![VE1801EUT (EU/MK)](image2)

**Suggested ATEN HDBaseT Receivers:**

<table>
<thead>
<tr>
<th>Receiver Model</th>
<th>VE601R</th>
<th>VE801R</th>
<th>VE802R</th>
<th>VE901R</th>
</tr>
</thead>
<tbody>
<tr>
<td>Photo</td>
<td><img src="image3" alt="VE601R" /></td>
<td><img src="image4" alt="VE801R" /></td>
<td><img src="image5" alt="VE802R" /></td>
<td><img src="image6" alt="VE901R" /></td>
</tr>
<tr>
<td>Video Output</td>
<td>DVI</td>
<td>HDMI</td>
<td>HDMI</td>
<td>DisplayPort</td>
</tr>
<tr>
<td>IR/RS-232</td>
<td>N/A</td>
<td>N/A</td>
<td>•</td>
<td>N/A</td>
</tr>
<tr>
<td>HDBaseT</td>
<td>Class B</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transmission Distance</td>
<td>4K up to 40m ; 1080p up to 70m</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
VE2812UST / VE2812EUT
HDMI & VGA HDBaseT Transmitter (4K@100m)

- Extends HDMI up to 4096 x 2160 / 3840 x 2160 @ 60Hz (4:2:0); VGA up to 1600 x 1200 / 1920 x 1200 at 100m
- HDMI 1.4 (3D, Deep color, 4K); HDCP 2.2 Compliant
- Supports HDBaseT Long Reach Mode of up to 1080p@150m
- Auto Switch support for quick selection of newly plugged-in source
- Compatible with HDBaseT-certified 3rd party devices
Get the Most out of a Hybrid 3-in-1 Solution!

**Switch**
Between VGA & HDMI inputs

**Extend**
1080p up to 150m / 4K up to 100m

**Convert**
From HDMI / VGA to DVI / HDMI / DP

Suggested ATEN HDBaseT Receivers:

<table>
<thead>
<tr>
<th>Receiver Model</th>
<th>VE1812R</th>
<th>VE814AR</th>
<th>VE811R</th>
<th>VE801R</th>
<th>VE802R</th>
<th>VE601R</th>
<th>VE901R</th>
</tr>
</thead>
<tbody>
<tr>
<td>Photo</td>
<td><img src="image1" alt="Photo" /></td>
<td><img src="image2" alt="Photo" /></td>
<td><img src="image3" alt="Photo" /></td>
<td><img src="image4" alt="Photo" /></td>
<td><img src="image5" alt="Photo" /></td>
<td><img src="image6" alt="Photo" /></td>
<td><img src="image7" alt="Photo" /></td>
</tr>
<tr>
<td>Video Output</td>
<td>HDMI</td>
<td>HDMI *2</td>
<td>HDMI</td>
<td>HDMI</td>
<td>HDMI</td>
<td>DVI</td>
<td>DisplayPort</td>
</tr>
<tr>
<td>IR/RS-232</td>
<td>IR/RS232</td>
<td>IR/RS232</td>
<td>N/A</td>
<td>N/A</td>
<td>IR/RS232</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>HDBaseT</td>
<td>1.0 Class A</td>
<td></td>
<td></td>
<td></td>
<td>1.0 Class B</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transmission Distance</td>
<td>4K up to 100m ; 1080p up to 150m (Long Reach mode enable)</td>
<td></td>
<td></td>
<td></td>
<td>4K up to 40m ; 1080p up to 70m</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Long Reach Mode</td>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>N/A</td>
<td></td>
</tr>
</tbody>
</table>
Cat5 / Cat6 Wall Plate Extenders

- Connection via Cat5e/6 cables
- Remotely powered from either the Transmitter or Receiver
- Video optimization via Adjustable Video Compensation Control (VE156, VE157), and 8-Segment Equalization Adjustment Switch (VE606, VE607, VE806/807)
- HDMI support 3D, Deep Color, HDCP compatibility (VE806, VE807)

HDMI/Audio Extender (1080i@60m)

- VE806 (US)
- VE807 (EU/MK)

DVI/Audio Extender (1080i@60m)

- VE606 (US)
- VE607 (EU/MK)

VGA/Audio Extender (1280x1024@150m)

- VE156 (US)
- VE157 (EU/MK)
## Comparison Table

<table>
<thead>
<tr>
<th>Connection</th>
<th>HDBaseT*</th>
<th>Cat 5 / Cat 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Video Interface</td>
<td>HDMI</td>
<td>HDMI &amp; VGA</td>
</tr>
<tr>
<td>Type</td>
<td>US</td>
<td>MK / EU</td>
</tr>
<tr>
<td>Model</td>
<td>VE1801UST</td>
<td>VE1801EUT</td>
</tr>
<tr>
<td>Photo</td>
<td><img src="image1" alt="HDMI Icon" /></td>
<td><img src="image2" alt="HDMI &amp; VGA Icon" /></td>
</tr>
<tr>
<td>Inputs to Outputs</td>
<td>1 Input</td>
<td>2 Inputs</td>
</tr>
<tr>
<td>Max. Resolution / Distance</td>
<td>4K@40m</td>
<td>4K@100m</td>
</tr>
<tr>
<td>HDCP</td>
<td>2.2</td>
<td>2.2</td>
</tr>
<tr>
<td>Long Reach Mode**</td>
<td>N/A</td>
<td>(Active)</td>
</tr>
<tr>
<td>Audio</td>
<td>(HDMI)</td>
<td>(HDMI / Stereo)</td>
</tr>
<tr>
<td>RS-232 Channel</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>IR Channel</td>
<td>N/A</td>
<td>*</td>
</tr>
</tbody>
</table>

### Suggested ATEN Cable

- **2L-2910 305M HDBaseT SF/UTP Cat 6 Cable**
  - Supports up to 4K resolution
  - Verified to meet performance requirements set by HDBaseT Alliance

- **2L-2801 305M Low Skew Cat 5e Cable**
  - High quality RGB video transmission
  - Delay Skew: 1 - 350MHz 20nS/100m Max.

* Ensure high quality maximum distance video transmission with ATEN HDBaseT Cat 6 Cable, 2L-2910.
** Models marked 'Active' provide Long Reach Mode support which can be activated via a switch on the unit.
Corporate Headquarters

**ATEN International Co., Ltd.**
3F., No.125, Sec. 2, Datung Rd., Sijih District,
New Taipei City 221, Taiwan
Phone: +886-2-8692-6789  Fax: +886-2-8692-6767
E-mail: marketing@aten.com

**EMEA Region:**

**ATEN Infotech N.V.**
Mijnwerkerslaan 34, 3550 Heusden-Zolder, Belgium
Phone: +32-11-531543  Fax: +32-11-531544
http://www.aten.com/eu/en/  E-mail: sales@aten.be

**ATEN U.K. Limited**
466 Malton Avenue, Slough SL1 4QU, U.K.
Phone: +44-1753-539-121  Fax: +44-1753-215-253
http://www.aten.com/gb/en/  E-mail: sales@aten.co.uk

**ATEN Poland Sp. z o. o.**
ul. Darmiera 2, 02-460 Warszawa, Poland
Phone: +48-669-062-112
http://www.aten.com/pl/pl/  E-mail: poland@aten.com

**ATEN Russia**
Office 14212, No.14 Severlyakova Proezd,
Moscow, Russia
Phone: +7-495-134-2808
http://www.aten.com/ru/ru/  E-mail: russia@aten.com

**ATEN Info Iletisim Ltd.**
Beştepe Mah. Yaşam Cad., Neorama Is Merkezi 13-A / 76
Yenimahalle Ankara, Turkey
Phone: +90-312-284-00-27  E-mail: turkey@aten.com

**Oceania Region:**

**ATEN ANZ Pty Ltd.**
Suite 3, 19, 32 Delhi Road, North Ryde,
NSW 2113, Australia
Phone: +61-2-9114-9933  Fax: +61-2-8072-3723
http://www.aten.com/au/en/  E-mail: sales@au.aten.com

**Asia Pacific Region:**

**ATEN China Co., Ltd.**
18/F, Tower A, Horizon International Tower, No.6,
Zhichun Road, Haidian District, Beijing, China 100088
Phone: +86-10-5255-0110  Fax: +86-10-8296-1318
http://www.aten.com/cn/zh/  E-mail: sales@aten.com.cn

**ATEN Japan Co., Ltd.**
Tokyo Headquarters
ATEN Bldg. 8-4, Minami-senju 3-chome, Arakawa-ku,
Tokyo 116-0003, Japan
Phone: +81-3-5615-5810  Fax: +81-3-3891-3810
http://www.aten.com/jp/ja/  E-mail: sales@atenjapan.jp

**Osaka Branch**
Awajimachi Dai-Building 3F
3-1-9, Awajimachi, Chuo-ku, Osaka-shi, 541-0047, Japan
Phone: +81-6-6229-5810  Fax: +81-6-6229-8810
http://www.aten.com/jp/ja/  E-mail: sales@atenjapan.jp

**ATEN Korea Co., Ltd.**
B-303, 32, Digital-ro 9-gil,
Geumcheon-gu, Seoul 08512, Korea
Phone: +82-2-467-6789  Fax: +82-2-467-9876
http://www.aten.com/kr/kr/  E-mail: sales@aten.co.kr

**Atech Peripherals, Inc.**
6F, No.133, Sec. 2, Datung Rd., Sijih District,
New Taipei City 221, Taiwan
Phone: +886-2-8692-6969  Fax: +886-2-8692-6926
http://www.aten.com/tw/zh/  E-mail: taiwan@aten.com

**ATEN India Rep. Office**
Unit 406, 4th Floor, Barton Center, M.G. Road,
Bangalore - 560001, India
Phone 1: +91-80-48517231  Phone 2: +91-9686151525
http://www.aten.com  E-mail: South-Asia@aten.com

© Copyright 2019 ATEN® International Co., Ltd.
ATEN and the ATEN logo are trademarks of ATEN International Co., Ltd. All rights reserved. All other trademarks are the property of their respective owners.