

# USB 3.0 to HDMI<sup>®</sup> Adapter



AN3810D1

**HDMI<sup>®</sup>**  
HIGH-DEFINITION MULTIMEDIA INTERFACE

The USB 3.0 Display Adapter is a device which enables connection to second display device to a computer using USB 3.0 port. With this convenient design, it can connect up to 6 display devices to a computer without installing extra video cards. Once the driver has been installed, the USB attached monitor will be enabled immediately. No function key on the adapter and there is no need to reboot the operating system after unplugging the USB adapter.

System performance is an important issue when using multiple monitors. Another benefit of this adapter is that it occupies little computer resource; ensuring users get quality display without comprising computer performance.

## Features

- Add-on monitor, LCD or projector through a single USB 3.0 port hot-plug; add or remove monitor without system reboot
- Small in size, works with all HDMI<sup>®</sup> displays.
- Supports High Resolution up to 2048x1152
- Video streaming is supported up to 1080p
- Extend and Mirror mode support.
- Resumes from hibernation and suspend modes
- Supports up to 6 USB display adapters to work simultaneously

## System Requirements

- Windows<sup>®</sup> XP Home or Professional (Including Table edition) SP2 or SP3

\*Note: The adapter does not support Windows<sup>®</sup> XP 64bit

- Windows<sup>®</sup> Vista SP1/sp2 (32-bit or 64-bit)
- Windows<sup>®</sup> 7 (32-bit or 64 bit)
- Windows<sup>®</sup> 8

## Package Contents

- USB 3.0 to HDMI<sup>®</sup> Adapter x1
- CD (Driver & User's Manual) x1
- Quick Installation Guide x1
- USB cable x1

## Specifications

|  |  |         |     |    |    |    |    |    |    |    |    |         |      |    |    |    |    |    |    |    |    |    |    |          |     |    |    |    |    |    |    |    |    |          |      |    |    |          |      |    |    |    |    |    |    |          |      |    |    |           |      |    |    |    |    |    |          |       |    |    |           |       |    |    |    |    |    |    |           |      |    |    |           |        |    |    |           |       |    |    |           |       |    |    |           |      |    |    |
|--|--|---------|-----|----|----|----|----|----|----|----|----|---------|------|----|----|----|----|----|----|----|----|----|----|----------|-----|----|----|----|----|----|----|----|----|----------|------|----|----|----------|------|----|----|----|----|----|----|----------|------|----|----|-----------|------|----|----|----|----|----|----------|-------|----|----|-----------|-------|----|----|----|----|----|----|-----------|------|----|----|-----------|--------|----|----|-----------|-------|----|----|-----------|-------|----|----|-----------|------|----|----|
| <b>Host Interface</b>  | USB 3.0  |         |     |    |    |    |    |    |    |    |    |         |      |    |    |    |    |    |    |    |    |    |    |          |     |    |    |    |    |    |    |    |    |          |      |    |    |          |      |    |    |    |    |    |    |          |      |    |    |           |      |    |    |    |    |    |          |       |    |    |           |       |    |    |    |    |    |    |           |      |    |    |           |        |    |    |           |       |    |    |           |       |    |    |           |      |    |    |
| <b>Video Interface</b>   | HDMI <sup>®</sup>  |         |     |    |    |    |    |    |    |    |    |         |      |    |    |    |    |    |    |    |    |    |    |          |     |    |    |    |    |    |    |    |    |          |      |    |    |          |      |    |    |    |    |    |    |          |      |    |    |           |      |    |    |    |    |    |          |       |    |    |           |       |    |    |    |    |    |    |           |      |    |    |           |        |    |    |           |       |    |    |           |       |    |    |           |      |    |    |
| <b>Connectors</b>  | Video output: HDMI <sup>®</sup> female connector<br>Host upstream link: USB 3.0 Micro B type connector   |         |     |    |    |    |    |    |    |    |    |         |      |    |    |    |    |    |    |    |    |    |    |          |     |    |    |    |    |    |    |    |    |          |      |    |    |          |      |    |    |    |    |    |    |          |      |    |    |           |      |    |    |    |    |    |          |       |    |    |           |       |    |    |    |    |    |    |           |      |    |    |           |        |    |    |           |       |    |    |           |       |    |    |           |      |    |    |
| <b>Connectivity</b>  | Up to 6 adapters on a computer   |         |     |    |    |    |    |    |    |    |    |         |      |    |    |    |    |    |    |    |    |    |    |          |     |    |    |    |    |    |    |    |    |          |      |    |    |          |      |    |    |    |    |    |    |          |      |    |    |           |      |    |    |    |    |    |          |       |    |    |           |       |    |    |    |    |    |    |           |      |    |    |           |        |    |    |           |       |    |    |           |       |    |    |           |      |    |    |
| <b>RAM</b>   | 512Mb DDR2 SDRAM   |         |     |    |    |    |    |    |    |    |    |         |      |    |    |    |    |    |    |    |    |    |    |          |     |    |    |    |    |    |    |    |    |          |      |    |    |          |      |    |    |    |    |    |    |          |      |    |    |           |      |    |    |    |    |    |          |       |    |    |           |       |    |    |    |    |    |    |           |      |    |    |           |        |    |    |           |       |    |    |           |       |    |    |           |      |    |    |
| <b>Power Mode</b>  | Bus-powered  |         |     |    |    |    |    |    |    |    |    |         |      |    |    |    |    |    |    |    |    |    |    |          |     |    |    |    |    |    |    |    |    |          |      |    |    |          |      |    |    |    |    |    |    |          |      |    |    |           |      |    |    |    |    |    |          |       |    |    |           |       |    |    |    |    |    |    |           |      |    |    |           |        |    |    |           |       |    |    |           |       |    |    |           |      |    |    |
| <b>Power Consumption</b>   | Operating Power : 340 mA   |         |     |    |    |    |    |    |    |    |    |         |      |    |    |    |    |    |    |    |    |    |    |          |     |    |    |    |    |    |    |    |    |          |      |    |    |          |      |    |    |    |    |    |    |          |      |    |    |           |      |    |    |    |    |    |          |       |    |    |           |       |    |    |    |    |    |    |           |      |    |    |           |        |    |    |           |       |    |    |           |       |    |    |           |      |    |    |
| <b>Operating system Support</b>  | Windows <sup>®</sup> XP Home or Professional SP2 or SP3, Windows <sup>®</sup> Vista SP1 or SP2 (32-bit or 64-bit), Windows <sup>®</sup> 7 (32-bit or 64-bit), and Windows <sup>®</sup> 8   |         |     |    |    |    |    |    |    |    |    |         |      |    |    |    |    |    |    |    |    |    |    |          |     |    |    |    |    |    |    |    |    |          |      |    |    |          |      |    |    |    |    |    |    |          |      |    |    |           |      |    |    |    |    |    |          |       |    |    |           |       |    |    |    |    |    |    |           |      |    |    |           |        |    |    |           |       |    |    |           |       |    |    |           |      |    |    |
| <b>Supported Modes</b>   | Extended Desktop (Default), Mirrored Desktop, Primary Display  |         |     |    |    |    |    |    |    |    |    |         |      |    |    |    |    |    |    |    |    |    |    |          |     |    |    |    |    |    |    |    |    |          |      |    |    |          |      |    |    |    |    |    |    |          |      |    |    |           |      |    |    |    |    |    |          |       |    |    |           |       |    |    |    |    |    |    |           |      |    |    |           |        |    |    |           |       |    |    |           |       |    |    |           |      |    |    |
| <b>Housing</b>   | ABS Plastic  |         |     |    |    |    |    |    |    |    |    |         |      |    |    |    |    |    |    |    |    |    |    |          |     |    |    |    |    |    |    |    |    |          |      |    |    |          |      |    |    |    |    |    |    |          |      |    |    |           |      |    |    |    |    |    |          |       |    |    |           |       |    |    |    |    |    |    |           |      |    |    |           |        |    |    |           |       |    |    |           |       |    |    |           |      |    |    |
| <b>Dimensions</b>  | 84.5 (L) x 55.5 (W) x 18 (H) mm  |         |     |    |    |    |    |    |    |    |    |         |      |    |    |    |    |    |    |    |    |    |    |          |     |    |    |    |    |    |    |    |    |          |      |    |    |          |      |    |    |    |    |    |    |          |      |    |    |           |      |    |    |    |    |    |          |       |    |    |           |       |    |    |    |    |    |    |           |      |    |    |           |        |    |    |           |       |    |    |           |       |    |    |           |      |    |    |
| <b>Operating temperature</b>   | 10-40 degree   |         |     |    |    |    |    |    |    |    |    |         |      |    |    |    |    |    |    |    |    |    |    |          |     |    |    |    |    |    |    |    |    |          |      |    |    |          |      |    |    |    |    |    |    |          |      |    |    |           |      |    |    |    |    |    |          |       |    |    |           |       |    |    |    |    |    |    |           |      |    |    |           |        |    |    |           |       |    |    |           |       |    |    |           |      |    |    |
| <b>Storage temperature</b>   | -10~80degree   |         |     |    |    |    |    |    |    |    |    |         |      |    |    |    |    |    |    |    |    |    |    |          |     |    |    |    |    |    |    |    |    |          |      |    |    |          |      |    |    |    |    |    |    |          |      |    |    |           |      |    |    |    |    |    |          |       |    |    |           |       |    |    |    |    |    |    |           |      |    |    |           |        |    |    |           |       |    |    |           |       |    |    |           |      |    |    |
| <b>Relative Humidity</b>   | < 85% non-condensing   |         |     |    |    |    |    |    |    |    |    |         |      |    |    |    |    |    |    |    |    |    |    |          |     |    |    |    |    |    |    |    |    |          |      |    |    |          |      |    |    |    |    |    |    |          |      |    |    |           |      |    |    |    |    |    |          |       |    |    |           |       |    |    |    |    |    |    |           |      |    |    |           |        |    |    |           |       |    |    |           |       |    |    |           |      |    |    |
| <b>Resolutions, Refresh rate and color depth</b>                         | <table border="1"> <tr> <td>640x480</td> <td>VGA</td> <td>60</td> <td>72</td> <td>75</td> <td>85</td> <td>60</td> <td>72</td> <td>75</td> <td>85</td> </tr> <tr> <td>800x600</td> <td>SVGA</td> <td>56</td> <td>60</td> <td>72</td> <td>75</td> <td>85</td> <td>56</td> <td>60</td> <td>72</td> <td>75</td> <td>85</td> </tr> <tr> <td>1024x768</td> <td>XGA</td> <td>60</td> <td>70</td> <td>75</td> <td>85</td> <td>60</td> <td>70</td> <td>75</td> <td>85</td> </tr> <tr> <td>1280x720</td> <td>720p</td> <td>60</td> <td>60</td> </tr> <tr> <td>1280x768</td> <td>WXGA</td> <td>60</td> <td>75</td> <td>85</td> <td>60</td> <td>75</td> <td>85</td> </tr> <tr> <td>1280x800</td> <td>WXGA</td> <td>60</td> <td>60</td> </tr> <tr> <td>1280x1024</td> <td>SXGA</td> <td>60</td> <td>75</td> <td>85</td> <td>60</td> <td>75</td> </tr> <tr> <td>1366x768</td> <td>WXGA+</td> <td>60</td> <td>60</td> </tr> <tr> <td>1400x1050</td> <td>SXGA+</td> <td>60</td> <td>75</td> <td>85</td> <td>60</td> <td>75</td> <td>85</td> </tr> <tr> <td>1600x1200</td> <td>UXGA</td> <td>60</td> <td>60</td> </tr> <tr> <td>1680x1050</td> <td>WSXGA+</td> <td>60</td> <td>60</td> </tr> <tr> <td>1920x1080</td> <td>1080p</td> <td>60</td> <td>60</td> </tr> <tr> <td>1920x1200</td> <td>WUXGA</td> <td>60</td> <td>60</td> </tr> <tr> <td>2048x1152</td> <td>QXGA</td> <td>60</td> <td>60</td> </tr> </table> | 640x480 | VGA | 60 | 72 | 75 | 85 | 60 | 72 | 75 | 85 | 800x600 | SVGA | 56 | 60 | 72 | 75 | 85 | 56 | 60 | 72 | 75 | 85 | 1024x768 | XGA | 60 | 70 | 75 | 85 | 60 | 70 | 75 | 85 | 1280x720 | 720p | 60 | 60 | 1280x768 | WXGA | 60 | 75 | 85 | 60 | 75 | 85 | 1280x800 | WXGA | 60 | 60 | 1280x1024 | SXGA | 60 | 75 | 85 | 60 | 75 | 1366x768 | WXGA+ | 60 | 60 | 1400x1050 | SXGA+ | 60 | 75 | 85 | 60 | 75 | 85 | 1600x1200 | UXGA | 60 | 60 | 1680x1050 | WSXGA+ | 60 | 60 | 1920x1080 | 1080p | 60 | 60 | 1920x1200 | WUXGA | 60 | 60 | 2048x1152 | QXGA | 60 | 60 |
| 640x480  | VGA  | 60      | 72  | 75 | 85 | 60 | 72 | 75 | 85 |    |    |         |      |    |    |    |    |    |    |    |    |    |    |          |     |    |    |    |    |    |    |    |    |          |      |    |    |          |      |    |    |    |    |    |    |          |      |    |    |           |      |    |    |    |    |    |          |       |    |    |           |       |    |    |    |    |    |    |           |      |    |    |           |        |    |    |           |       |    |    |           |       |    |    |           |      |    |    |
| 800x600  | SVGA   | 56      | 60  | 72 | 75 | 85 | 56 | 60 | 72 | 75 | 85 |         |      |    |    |    |    |    |    |    |    |    |    |          |     |    |    |    |    |    |    |    |    |          |      |    |    |          |      |    |    |    |    |    |    |          |      |    |    |           |      |    |    |    |    |    |          |       |    |    |           |       |    |    |    |    |    |    |           |      |    |    |           |        |    |    |           |       |    |    |           |       |    |    |           |      |    |    |
| 1024x768   | XGA  | 60      | 70  | 75 | 85 | 60 | 70 | 75 | 85 |    |    |         |      |    |    |    |    |    |    |    |    |    |    |          |     |    |    |    |    |    |    |    |    |          |      |    |    |          |      |    |    |    |    |    |    |          |      |    |    |           |      |    |    |    |    |    |          |       |    |    |           |       |    |    |    |    |    |    |           |      |    |    |           |        |    |    |           |       |    |    |           |       |    |    |           |      |    |    |
| 1280x720   | 720p   | 60      | 60  |    |    |    |    |    |    |    |    |         |      |    |    |    |    |    |    |    |    |    |    |          |     |    |    |    |    |    |    |    |    |          |      |    |    |          |      |    |    |    |    |    |    |          |      |    |    |           |      |    |    |    |    |    |          |       |    |    |           |       |    |    |    |    |    |    |           |      |    |    |           |        |    |    |           |       |    |    |           |       |    |    |           |      |    |    |
| 1280x768   | WXGA   | 60      | 75  | 85 | 60 | 75 | 85 |    |    |    |    |         |      |    |    |    |    |    |    |    |    |    |    |          |     |    |    |    |    |    |    |    |    |          |      |    |    |          |      |    |    |    |    |    |    |          |      |    |    |           |      |    |    |    |    |    |          |       |    |    |           |       |    |    |    |    |    |    |           |      |    |    |           |        |    |    |           |       |    |    |           |       |    |    |           |      |    |    |
| 1280x800   | WXGA   | 60      | 60  |    |    |    |    |    |    |    |    |         |      |    |    |    |    |    |    |    |    |    |    |          |     |    |    |    |    |    |    |    |    |          |      |    |    |          |      |    |    |    |    |    |    |          |      |    |    |           |      |    |    |    |    |    |          |       |    |    |           |       |    |    |    |    |    |    |           |      |    |    |           |        |    |    |           |       |    |    |           |       |    |    |           |      |    |    |
| 1280x1024  | SXGA   | 60      | 75  | 85 | 60 | 75 |    |    |    |    |    |         |      |    |    |    |    |    |    |    |    |    |    |          |     |    |    |    |    |    |    |    |    |          |      |    |    |          |      |    |    |    |    |    |    |          |      |    |    |           |      |    |    |    |    |    |          |       |    |    |           |       |    |    |    |    |    |    |           |      |    |    |           |        |    |    |           |       |    |    |           |       |    |    |           |      |    |    |
| 1366x768   | WXGA+  | 60      | 60  |    |    |    |    |    |    |    |    |         |      |    |    |    |    |    |    |    |    |    |    |          |     |    |    |    |    |    |    |    |    |          |      |    |    |          |      |    |    |    |    |    |    |          |      |    |    |           |      |    |    |    |    |    |          |       |    |    |           |       |    |    |    |    |    |    |           |      |    |    |           |        |    |    |           |       |    |    |           |       |    |    |           |      |    |    |
| 1400x1050  | SXGA+  | 60      | 75  | 85 | 60 | 75 | 85 |    |    |    |    |         |      |    |    |    |    |    |    |    |    |    |    |          |     |    |    |    |    |    |    |    |    |          |      |    |    |          |      |    |    |    |    |    |    |          |      |    |    |           |      |    |    |    |    |    |          |       |    |    |           |       |    |    |    |    |    |    |           |      |    |    |           |        |    |    |           |       |    |    |           |       |    |    |           |      |    |    |
| 1600x1200  | UXGA   | 60      | 60  |    |    |    |    |    |    |    |    |         |      |    |    |    |    |    |    |    |    |    |    |          |     |    |    |    |    |    |    |    |    |          |      |    |    |          |      |    |    |    |    |    |    |          |      |    |    |           |      |    |    |    |    |    |          |       |    |    |           |       |    |    |    |    |    |    |           |      |    |    |           |        |    |    |           |       |    |    |           |       |    |    |           |      |    |    |
| 1680x1050  | WSXGA+   | 60      | 60  |    |    |    |    |    |    |    |    |         |      |    |    |    |    |    |    |    |    |    |    |          |     |    |    |    |    |    |    |    |    |          |      |    |    |          |      |    |    |    |    |    |    |          |      |    |    |           |      |    |    |    |    |    |          |       |    |    |           |       |    |    |    |    |    |    |           |      |    |    |           |        |    |    |           |       |    |    |           |       |    |    |           |      |    |    |
| 1920x1080  | 1080p  | 60      | 60  |    |    |    |    |    |    |    |    |         |      |    |    |    |    |    |    |    |    |    |    |          |     |    |    |    |    |    |    |    |    |          |      |    |    |          |      |    |    |    |    |    |    |          |      |    |    |           |      |    |    |    |    |    |          |       |    |    |           |       |    |    |    |    |    |    |           |      |    |    |           |        |    |    |           |       |    |    |           |       |    |    |           |      |    |    |
| 1920x1200  | WUXGA  | 60      | 60  |    |    |    |    |    |    |    |    |         |      |    |    |    |    |    |    |    |    |    |    |          |     |    |    |    |    |    |    |    |    |          |      |    |    |          |      |    |    |    |    |    |    |          |      |    |    |           |      |    |    |    |    |    |          |       |    |    |           |       |    |    |    |    |    |    |           |      |    |    |           |        |    |    |           |       |    |    |           |       |    |    |           |      |    |    |
| 2048x1152  | QXGA   | 60      | 60  |    |    |    |    |    |    |    |    |         |      |    |    |    |    |    |    |    |    |    |    |          |     |    |    |    |    |    |    |    |    |          |      |    |    |          |      |    |    |    |    |    |    |          |      |    |    |           |      |    |    |    |    |    |          |       |    |    |           |       |    |    |    |    |    |    |           |      |    |    |           |        |    |    |           |       |    |    |           |       |    |    |           |      |    |    |
| Note that interlaced modes and reduced blanking modes are not supported. |  |         |     |    |    |    |    |    |    |    |    |         |      |    |    |    |    |    |    |    |    |    |    |          |     |    |    |    |    |    |    |    |    |          |      |    |    |          |      |    |    |    |    |    |    |          |      |    |    |           |      |    |    |    |    |    |          |       |    |    |           |       |    |    |    |    |    |    |           |      |    |    |           |        |    |    |           |       |    |    |           |       |    |    |           |      |    |    |
| <b>USB Cable</b>   | Separated from the body<br>Type: USB 3.0 Type A (Male) to Micro USB 3.0 (Female)   |         |     |    |    |    |    |    |    |    |    |         |      |    |    |    |    |    |    |    |    |    |    |          |     |    |    |    |    |    |    |    |    |          |      |    |    |          |      |    |    |    |    |    |    |          |      |    |    |           |      |    |    |    |    |    |          |       |    |    |           |       |    |    |    |    |    |    |           |      |    |    |           |        |    |    |           |       |    |    |           |       |    |    |           |      |    |    |

Specifications are subject to change without notice.

## Application

### Mirror Mode

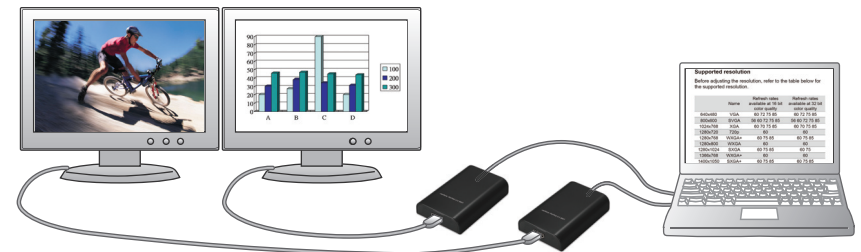


### Extended Mode



You can extend and double the width of your desktop screen if you happen to work on a large spreadsheet or watching a movie on another screen.

### Using Dual Adapters (Extended Mode)



**GOOD WAY TECHNOLOGY CO., LTD.**

3F, No.135, Lane 235 Pau Chiao Rd., Hsin Tien, Taipei County, Taiwan

Tel: 886-2-8919-1200 Fax: 886-2-8919-1220-1

http://www.goodway.com.tw E-mail:sales@goodway.com.tw