GOOD WAY

# 2014 DEVICE

Products
Catalog

GOOD WAY
www.goodway.com.tw

COMPUTEX d & i awards
2013 winner

**DU3400**
USB 3.0 Power Management
Docking Station

Taiwan Excellence
2012 winner

**WK8000**
Smart WIFI Media Player

**DU3200**
USB 3.0 Dual Head
Docking Station

Taiwan Excellence
2011 winner

**AE6210**
Gigabit Ethernet to DVI Adapter

**DU2600**
Client Dock

**WK6102**
PC to TV (HDMI)
Wireless Power Saving Solution

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## About Good Way Group

Founded in 1983, Good Way owns the expertise in USB and Wireless peripherals and well known for innovative capability as well as being a worldwide leading manufacturer. The complete structure and integration of R&D and sales service supports provide you the excellent solution in product development and technical service. Wherever you are, Good Way is always a reliable business partner as the best backup.

# Flexible, Timely, and Innovative OEM/ODM

## Major Business (OEM/ODM)

### Business Support

● We offer the "FSCM" service
  - F means fast,we offer the real-time service and supports
  - S means small,we have more flexibility on quantity issue
  - CM means contract-manufacturing,we are skilled in
    prototype to volume manufacture

● Time-to-Market
  - Always being sensitive to the latest technology and
    launching at the right time to the market

### Private Labeling / White Box

● One-Stop-Sourcing
  - Comprehensive product range,including PC
    peripherals,  mobile device peripheral,
    CE merchandise, Home Automation, and industrial
    connectivity products

**D**ocking Station / Device Products

**U**SB Ethernet Adapter / Device  Products

**U**SB Video Adapter / Device Products

**U**SB Hub / Device  Products

**D**isplayPort Adapter / Device Products

**P**C Peripherals / Device  Products

**D**igital Video Adapter / Device Products

## HDMI®
HIGH-DEFINITION MULTIMEDIA INTERFACE

# Docking Station

## DEVICE  PRODUCTS

- 4K Ultra HD Ready
- Dual display with full formats
- Auto Data Backup
- Smart charging for mobile devices

The Docking Station is designed for extra connectivity demands. You can extend the connection of a computer to more USB peripherals, Ethernet network, the speaker and the microphone through one single USB cable. In addition, the docking station is equipped with video output (DP, HDMI...etc.), you can mirror your primary screen, or extend the Window desktop allowing visibility of more applications at the same time.

## DU3800

### USB 3.0 4K Ultra HD Docking Station

- **Video output**
  - DisplayPort, resolution update to 3840 x 2160@30Hz
  - HDMI, resolution up to 3840 x 2160@30Hz(*)
  - DVI-I, resolution up to 2048 x 1152
- **Dual display mode**
  - DP + DVI or HDMI + DVI
  - Auto switching between DisplayPort / HDMI
- **USB 3.0 downstream port x 3**
  - 1 port supports BC (Battery Charging) 1.2
- **Gigabit Ethernet**
- **2.1 channel Audio out and Microphone in**

  (*) Depend on HDMI SPEC of Monitor model

*» Support for 4K Ultra HD Displays*
*» Ready to all display output formats*

## DU3700

### USB 3.0 3 to 2 Docking Station

- **Video output**
  - DisplayPort, resolution up to 2560 x 1600
  - HDMI, resolution up to 2048 x 1152
  - DVI-I, resolution up to 2048 x 1152
- **Dual display mode**
  - DP + DVI or HDMI + DVI
  - Auto switching between DisplayPort/HDMI
- **USB 3.0 downstream port x 3**
  - 1 port supports BC (Battery Charging) 1.2
- **Gigabit Ethernet**
- **2.1 channel Audio out and Microphone in**

*» Support "Retina" resolution Displays*
*» Ready to all display output formats*

## DU3222/ DU3223

### USB 3.0 Dual Head Docking Station

- **Video output**
  - HDMI, resolution up to 2048 x 1152
  - DVI-I, resolution up to 2048 x 1152
- **USB 3.0 downstream port x 2**
- **1 port supports BC (Battery Charging) 1.2**
- **USB 2.0 downstream port x 4**
- **Gigabit Ethernet**
- **2.1 channel Audio out and Microphone in**

*» Standard dual display out*
*» Flexible design for placement*
*» Horizontal (DU3223) / Vertical type (DU3222)*

## DU3032 / DU3033

### USB 3.0 Docking Station

- **Video output**
  - DVI-I, resolution up to 2048 x 1152
- **USB 3.0 downstream port x 2**
  - 1 port supports BC (Battery Charging) 1.2
- **USB 2.0 downstream port x 4**
- **2.1 channel Audio out and Microphone in**

*» Flexible design for placement*
*  Horizontal (DU3033) / Vertical type (DU3032)*

## DU3800

### USB 3.0 Docking Station
### with MicroSD Slot

- **Video output**
  - DVI-I, resolution up to 2048 x 1152
  - USB 3.0 downstream port x 2
  - 1 port supports BC (Battery Charging) 1.2
- **USB 2.0 downstream port x 4**
- **Gigabit Ethernet**
- **2.1 channel Audio out and Microphone in**
- **Micro SD card slot**

*» Auto data backup to Micro SD card*

## DU3500

### USB 3.0 Smart Docking Station

- **Video output**
  - DVI-I, resolution up to 2048 x 1152
- **USB 3.0 downstream port x 3**
  - 1 port supports BC (Battery Charging) 1.2
- **Gigabit Ethernet**
- **2.1 channel Audio out and Microphone in**

*» Smart charging design*
*» BC 1.2 and Apple charging*
*» EuP/ErP power saving feature*

## Products Information

| Model | | | DU3B00 | DU3700 | DU3222 | DU3223 | DU3800 | DU3500 | DU3032 |
|---|---|---|---|---|---|---|---|---|---|
| Interface | | | USB 3.0 | | | | | | |
| Video | Output Numbers | | 3 for 2 | 3 for 2 | 2 | 2 | 1 | 1 | 1 |
| | 1st | Port Type | DP/HDMI | DP/HDMI | HDMI | HDMI | DVI | DVI | DVI |
| | | Resolution | 3840 x 2160 | 2560 x 1600 2048 x 1152 | 2048 x 1152 | 2048 x 1152 | 2048 x 1152 | 2048 x 1152 | 2048 x 1152 |
| | 2nd | Port Type | DVI | DVI | DVI | DVI | — | — | — |
| | | Resolution | 2048 x 1152 | 2048 x 1152 | 2048 x 1152 | 2048 x 1152 | — | — | — |
| Audio | Headphone/Microphone | | ● | ● | ● | ● | ● | ● | ● |
| | Combo Connecter | | — | — | — | — | — | — | — |
| Ethernet | 10/100/1000M | | ● | ● | ● | ● | ● | ● | ● |
| | 10/100M | | — | — | — | — | — | — | — |
| USB Port | USB 3.0 | Port Numbers | 3 | 3 | 2 | 2 | 2 | 3 | 2 |
| | | BC 1.2 Support | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | USB 2.0 | Port Numbers | — | — | 4 | 4 | 4 | — | 4 |
| Placement | Horizontal | | ● | ● | — | ● | — | ● | ● |
| | Vertical | | — | — | ● | — | ● | ● | ● |

| Model | | | DU3033 | DU3200 | DU3000 | DU27A2 | DU2792 | DU2800 | DU2810 | WK8000 |
|---|---|---|---|---|---|---|---|---|---|---|
| Interface | | | USB 3.0 | | USB 2.0 | | | | | WiFi |
| Video | Output Numbers | | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 2 |
| | 1st | Port Type | DVI | HDMI | DVI | DVI | DVI | DVI | DVI | HDMI |
| | | Resolution | 2048 x 1152 | 2048 x 1152 | 2048 x 1152 | 2048 x 1152 | 1920 x 1080 | 1920 x 1080 | 1920 x 1080 | 1920 x 1080 |
| | 2nd | Port Type | — | DVI | — | — | — | — | — | VGA |
| | | Resolution | — | 2048 x 1152 | — | — | — | — | — | 1920 x 1080 |
| Audio | Headphone/Microphone | | ● | ● | ● | ● | ● | — | — | ● |
| | Combo Connecter | | — | — | — | — | — | — | — | — |
| Ethernet | 10/100/1000M | | ● | ● | ● | — | — | — | — | — |
| | 10/100M | | — | — | — | ● | ● | ● | — | ● |
| USB Port | USB 3.0 | Port Numbers | 2 | 2 | 2 | — | — | — | — | — |
| | | BC 1.2 Support | 1 | — | — | — | — | — | — | — |
| | USB 2.0 | Port Numbers | 4 | 4 | 4 | 4 | 4 | 4 | 6 | 2 |
| Placement | Horizontal | | ● | — | — | — | — | — | — | — |
| | Vertical | | — | ● | ● | ● | ● | ● | ● | ● |

# USB Video Adapter

DEVICE PRODUCTS

- 4K Ultra HD Ready
- Support full display formats
- Ethernet Integration
- Low power consumption

USB Video adapter is designed by USB graphics technology that is a unique approach allowing smooth and very low latency video playback while providing the "plug and display" simplicity of USB. You can mirror your primary screen, or extend the Window desktop just like using standard graphics card solution.

### AN3890

## USB 3.0 4K Ultra HD Display Adapter

- USB 3.0 Upstream Port (Micro B)
- Video output
  • DisplayPort, resolution up to 3840 x 2160@30Hz
- Ultra Slim design
- USB bus-powered
- Supports up to 6 USB display adapters to work
  simultaneously

▸ Support for 4K Ultra HD Displays
▸ Turn legacy PC to access 4K displays

### AN3920

## USB 3.0 Multi-Function Adapter

- USB 3.0 Upstream Cable built in (Type A)
- Video output (works alternatively)
  • HDMI, resolution up to 2048 x 1152
  • VGA, resolution up to 2048 x 1152
- USB 3.0 downstream port x 1
- Gigabit Ethernet
- USB bus-powered

▸ Mini Docking without external power
▸ Portable design without additional cable

### AN3910 / AN3900

## USB 3.0 to
## HDMI (VGA) + LAN Combo

- USB 3.0 Upstream Cable built in (Type A)
- Video output
  • HDMI, resolution up to 2048 x 1152 (AN3910)
  • VGA, resolution up to 2048 x 1152 (AN3900)
- Gigabit Ethernet
- USB bus-powered

AN3900    AN3910

### AN3440 / AN3450 / AN3860

## USB 3.0 Slim Display Adapter

- USB 3.0 Upstream Port (Micro B)
- Video output
  • HDMI, resolution up to 2048 x 1152 (AN3860)
  • DVI-I, resolution up to 2048 x 1152 (AN3450)
  • VGA, resolution up to 2048 x 1152 (AN3440)
- Slim design
- USB bus-powered
- Supports up to 6 USB display adapters to work
  simultaneously

AN3440    AN3450    AN3860

▸ Variety of display output interface

### AN3200

## USB 3.0 Dual Head Display Adapter

- USB 3.0 Upstream Port (Type B)
- Video output
  • HDMI, resolution up to 2048 x 1152
  • DVI-I, resolution up to 2048 x 1152

### AN3410 / AN3420 / AN3810 / AN3820

## USB 3.0 Display Adapter

- USB 3.0 Upstream Port (Micro B)
- Video output
  • DisplayPort, resolution up to 2560 x 1600 (AN3820)
  • HDMI, resolution up to 2048 x 1152 (AN3810)
  • DVI-I, resolution up to 2048 x 1152 (AN3420)
  • VGA, resolution up to 2048 x 1152 (AN3410)

AN3410    AN3420    AN3810    AN3820

## Products Information



| Model | AN3890 | AN3920 | AN3900 | AN3910 | AN3440 | AN3450 |
|---|---|---|---|---|---|---|
| Interface | USB 3.0 | | | | | |
| Video Out (Resolution) — Numbers | 1 | 2 for 1 | 1 | 1 | 1 | 1 |
| DisplayPort | 3840 x 2160 | – | – | – | – | – |
| HDMI | – | 2048 x 1152 | – | 2048 x 1152 | – | – |
| DVI | – | – | – | – | – | 2048 x 1152 |
| VGA | – | 2048 x 1152 | 2048 x 1152 | – | 2048 x 1152 | – |
| Ethernet | – | ● | ● | ● | – | – |
| USB HUB — Type | – | USB 3.0 | – | – | – | – |
| USB HUB — Port | – | 1 | – | – | – | – |



| Model | AN3860 | AN3200 | AN3410 | AN3420 | AN3810 | AN3820 |
|---|---|---|---|---|---|---|
| Interface | USB 3.0 | | | | | |
| Video Out (Resolution) — Numbers | 1 | 2 | 1 | 1 | 1 | 1 |
| DisplayPort | – | – | – | – | – | 2560 x 1600 |
| HDMI | 2048 x 1152 | 2048 x 1152 | – | – | 2048 x 1152 | – |
| DVI | – | 2048 x 1152 | – | 2048 x 1152 | – | – |
| VGA | – | – | 2048 x 1152 | – | – | – |
| Ethernet | – | – | – | – | – | – |
| USB HUB — Type | – | – | – | – | – | – |
| USB HUB — Port | – | – | – | – | – | – |



| Model | AN2450 | AN2460 | AN2480 | AN2485 | AN2800 | AN2820 |
|---|---|---|---|---|---|---|
| Interface | USB 2.0 | | | | | |
| Video Out (Resolution) — Numbers | 1 | 1 | 1 | 1 | 1 | – |
| DisplayPort | – | – | – | – | – | 1 |
| HDMI | – | – | – | – | 1920 x 1080 | 1920 x 1080 |
| DVI | 2048 x 1152 | 1920 x 1080 | – | – | – | – |
| VGA | – | – | 1920 x 1080 | 1920 x 1080 | – | – |
| Ethernet | – | – | – | – | – | – |
| USB HUB — Type | – | – | – | – | – | – |
| USB HUB — Port | – | – | – | – | – | – |

# DisplayPort Adapter

## DEVICE PRODUCTS

- 4K Ultra HD Ready
- Support full display formats
- Low power consumption
- Plug & Play

The DisplayPort Video Adapter is designed for connecting the embedded DisplayPort device (Laptop, desktop and etc.) to other popular video input format (HDMI, VGA, DVI) embedded device (TV, monitor and etc.) with high compatibility and video quality.

## AY2240 / AY1240

### Mini DP/ DP 1.2 to HDMI for 4K/2K

- **Video Input**
  - Mini DisplayPort 1.2 (AY2240)
  - DisplayPort 1.2 (AY1240)
- **Video output**
  - HDMI 1.4b, resolution up to 3840 x 2160@30Hz
- Support DP++ (Dual mode) output only
- Support 8 channel Audio input from DP
- Support Auto Power Saving mode
- Plug & Play, no extra drivers need

AY2240    AY1240

» Connect 4K ready PC/Mac to 4K UHD TV
» Acive Solution for all DP output

## AY2260 / AY1260

### Mini DP/ DP 1.2 to HDMI Adapter

- **Video Input**
  - Mini DisplayPort 1.2 (AY2260)
  - DisplayPort 1.2 (AY1260)
- **Video output**
  - HDMI 1.4b, resolution up to 3840 x 2160@30Hz
- Support DP++ (Dual mode) output only
- Plug & Play, no extra drivers need

AY2260    AY1260

» Connect 4K ready PC/Mac to 4K UHD TV
» Stylish design with Alumimum type

» Stylish design with Alumimum type

## AY2120 / AY1120

### Mini DP/ DP 1.2 to DVI Adapter

- **Video Input**
  - Mini DisplayPort 1.2 (AY2120)
  - DisplayPort 1.2 (AY1120)
- **Video output**
  - DVI-I, resolution up to 2048x1152
- Support DP++ (Dual mode) output only
- Plug & Play, no extra drivers need

AY2120    AY1120

## AY2020 / AY1020

### Mini DP/ DP 1.2 to VGA Adapter

- **Video Input**
  - Mini DisplayPort 1.2 (AY2020)
  - DisplayPort 1.2 (AY1020)
- **Video output**
  - VGA, resolution up to 2048x1152
- Support DP++ (Dual mode) output only
- Support Auto Power Saving mode
- Plug & Play, no extra drivers need

AY2020    AY1020

» Stylish design with Alumimum type

## AY2010

### Mini DP 1.2 to VGA Adapter

- **Video Input**
  - Mini DisplayPort 1.2
- **Video output**
  - VGA, resolution up to 2048x1152
- Support DP++ (Dual mode) output only
- Support Auto Power Saving mode
- Plug & Play, no extra drivers need

» Slim type dongle design for easy hand carry

## Ordering Information

| Model | Product Description | Model | Product Description |
|-------|--------------------|-------|--------------------|
| AY1240 | DP 1.2 to HDMI for 4K/2K | AY2010 | Mini DP 1.2 to VGA Adapter |
| AY2240 | Mini DP 1.2 to HDMI for 4K/2K | AY1000 | DP to VGA Adapte |
| AY1260 | DP 1.2 to HDMI Adapter | AY2000 | Mini DP to VGA Adapte |
| AY2260 | Mini DP 1.2 to HDMI Adapter | AY1100 | DP to DVI Adapter |
| AY1120 | DP 1.2 to DVI Adapter | AY2100 | Mini DP to DVI Adapter |
| AY2120 | Mini DP 1.2 to DVI Adapter | AY1250 | DP 1.1 to HDMI Adapter |
| AY1020 | DP 1.2 to VGA Adapter | AY2210 | Mini DP to HDMI Adapter |
| AY2020 | Mini DP 1.2 to VGA Adapter | | |

## Products Information

| Model | AY1240 | AY2240 | AY1250 | AY2250 | AY1120 |
|---|---|---|---|---|---|
| Interface | DP (1.2) | Mini DP (1.2) | DP (1.2) | Mini DP (1.2) | DP (1.2) |
| Video Out (Resolution) — HDMI | 3840 x 2160 | 3840 x 2160 | 3840 x 2160 | 3840 x 2160 | — |
| Video Out (Resolution) — DVI | — | — | — | — | 2048 x 1152 |
| Video Out (Resolution) — VGA | — | — | — | — | — |

| Model | AY2120 | AY1020 | AY2020 | AY2010 | AY1000 |
|---|---|---|---|---|---|
| Interface | Mini DP (1.2) | DP (1.2) | Mini DP (1.2) | Mini DP (1.2) | DP (1.1) |
| Video Out (Resolution) — HDMI | 1 | 2 for 1 | — | — | — |
| Video Out (Resolution) — DVI | 2048 x 1152 | — | — | — | — |
| Video Out (Resolution) — VGA | — | 2048 x 1152 | 2048 x 1152 | 2048 x 1152 | 1920 x 1200 |

| Model | AY2000 | AY1100 | AY2100 | AY1250 | AY2210 |
|---|---|---|---|---|---|
| Interface | Mini DP (1.1) | DP (1.1) | Mini DP (1.1) | DP (1.1) | Mini DP (1.1) |
| Video Out (Resolution) — HDMI | — | — | — | 1920 x 1200 | 1920 x 1200 |
| Video Out (Resolution) — DVI | — | 1920 x 1200 | 1920 x 1200 | — | — |
| Video Out (Resolution) — VGA | 1920 x 1200 | — | — | — | — |

# Digital Video Adapter

## DEVICE PRODUCTS

- Completed video out solution for Ultrabook/Tablet/Smartphone
- 4K Ultra HD Ready
- Low power consumption
- Plug & Play

The Digital Video Adapter is designed for connecting the video output (HDMI, MHL, SlimPort), of mobile device (Laptop, Tablet, Smartphone) to other popular video input format embedded device (TV, monitor and etc.) with high compatibility and video quality.

### VS5010

## HDMI to VGA Dongle with Audio

- **Video Input**
  - HDMI
- **Video output**
  - VGA, resolution up to 1920x1200
- **Audio out**
  - 3.5mm phone jack, 2.1 channel
- **Support Auto Power Saving mode**

» Support Audio Jack output
» Slim type dongle design for easy hand carry

### VS4530 / VS4531 / VS4532

## HDMI to VGA Dongle

- **Video Input**
  - HDMI D-Type (VS4530)
  - HDMI C-Type (VS4531)
  - HDMI A-Type (VS4532)
- **Audio out**
  - S/PDIF, 2-1 channel, 2.1 channel
  - 3.5mm phone jack, 2.1 channel
- **Support Auto Power Saving mode**

| VS4530 | VS4531 | VS4532 |
| D-Type HDMI | C-Type HDMI | A-Type HDMI |

» Support S/PDIF and Audio 3.5mm output
» Audio control button

### VS5000

## HDMI to VGA Dongle

- **Video Input**
  - HDMI
- **Video output**
  - VGA, resolution up to 1920x1200
- **Support Auto Power Saving mode**

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### VS4750

## MHL 3.0 to HDMI Adapter for 4K/2K

- **Video Input**
  - MHL 3.0 (USB Micro B connector)
- **Video output**
  - HDMI, resolution up to 3840x2160@30Hz
- **Support 3D frame sequential video format up to 1080p60**
- **Provide Charging function to smart phone and tablet**

» Connect 4K smart device to 4K UHD TV

### VS4710

## MHL to HDMI Adapter

- **Video Input**
  - MHL 1.1 (USB Micro B connector)
- **Video output**
  - HDMI, resolution up to 1080i60/1080p24
- **Provide Charging function to smart phone and tablet**

### VS6000 / VS6100

## SlimPort to VGA / HDMI Adapter

- **Video Input**
  - SlimPort (USB Micro B connector)
- **Video output**
  - HDMI, resolution up to 1080p60 (VS6100)
  - VGA, resolution up to 1080p60 (VS6000)
- **Bus-powered**
- **Provide Charging function to smart phone and tablet**

| VS6000 | VS6100 |

» Connect smart device to Full HD TV

## Products Information

| Model | VS5010 | VS5000 | VS4530 | VS4531 | VS4532 | VS4520 |
|---|---|---|---|---|---|---|
| Interface | HDMI | | | | | |
| Video Out (Resolution) — HDMI | – | – | – | – | – | – |
| Video Out (Resolution) — DVI | – | – | – | – | – | – |
| Video Out (Resolution) — VGA | 1920 x 1200 | 1920 x 1200 | 1920 x 1200 | 1920 x 1200 | 1920 x 1200 | 1920 x 1200 |
| Audio Out | – | – | ● | ● | ● | – |
| Power — Bus-powered | ● | ● | ● | ● | ● | ● |
| Power — External | – | – | – | – | – | – |

| Model | VS4521 | VS4522 | VS4750 | VS4710 | VS6000 | VS6100 |
|---|---|---|---|---|---|---|
| Interface | HDMI | | MHL (3.0) | MHL (1.1) | SlimPort | SlimPort |
| Video Out (Resolution) — HDMI | – | – | 2160p30 | 1080p24 | – | 1080p60 |
| Video Out (Resolution) — DVI | – | – | – | – | – | – |
| Video Out (Resolution) — VGA | 1920 x 1200 | 1920 x 1200 | – | – | 1080p60 | – |
| Audio Out | – | – | – | – | – | – |
| Power — Bus-powered | ● | ● | – | – | ● | ● |
| Power — External | – | – | ● | ● | ● | – |

## Ordering Information

| Model | Product Description | |
|---|---|---|
| VS5010 | HDMI to VGA Dongle with Audio | HDMI |
| VS5000 | HDMI to VGA Adapter | HDMI |
| VS4530 | HDMI to VGA Adapter with Audio | HDMI |
| VS4531 | HDMI to VGA Adapter with Audio | HDMI |
| VS4532 | HDMI to VGA Adapter with Audio | HDMI |
| VS4520 | HDMI to VGA Adapter | HDMI |

| Model | Product Description | |
|---|---|---|
| VS4521 | HDMI to VGA Adapter | HDMI |
| VS4522 | HDMI to VGA Adapter | MHL(3.0) |
| VS4750 | MHL 3.0 to HDMI Adapter for 4K/2K | MHL(1.2) |
| VS4710 | MHL to HDMI Adapter | MHL(1.1) HDMI |
| VS6000 | SlimPort to VGA Adapter | SlimPort |
| VS6100 | SlimPort to HDMI Adapter | SlimPort |

# USB Ethernet Adapter

- Ethernet enabled for Tablet/Ultrabook
- Rich Ethernet control functions
- Low power consumption

## DEVICE PRODUCTS

The USB 3.0 Ethernet Adapter allows user's mobile computing device instantly connect to Network through an existing USB port. With compliance with USB 3.0 specification, this adapter ensures true 10/100/1000Mbps network speed without any compromise.

### AE3102
## Gigabit USB 3.0 Ethernet Adapter

- USB 3.0 Upstream Cable built in (Type A)
- Gigabit Ethernet
- USB bus-powered
- Support USB Power Saving mode
- Support Green Ethernet
- Support IEEE 8.2.3az (Energy Efficient Ethernet)
- Support IPV4/IPV6 COE to reduce CPU loading
- Equip Diagnostic LEDs

» Connect Tablet/Ultrabook to Ethernet
» Support Wake-on-LAN function

### AE3100
## Gigabit USB 3.0 Ethernet Adapter

- USB 3.0 Upstream Cable built in (Type A)
- Gigabit Ethernet
- USB bus-powered
- Support USB Power Saving mode
- Support Wake-on-LAN function
- Support Green Ethernet
- Equip Diagnostic LEDs

» Connect Tablet/Ultrabook to Ethernet
» Stylish design with Alumimum type

### AE3101
## Gigabit USB 3.0 Ethernet Adapter

- USB 3.0 Upstream Cable built in (Type A)
- Gigabit Ethernet
- USB bus-powered
- Support USB Power Saving mode
- Support Wake-on-LAN function
- Support Green Ethernet
- Equip Diagnostic LEDs

» Connect Tablet/Ultrabook to Ethernet
» Stylish design with Alumimum type

### AE2233
## USB 2.0 to Ethernet Adapter

- USB 2.0 Upstream Cable built in (Type A)
- 10/100Mbps Ethernet
- USB bus-powered
- Support USB Power Saving mode
- Support Wake-on-LAN function
- Equip Diagnostic LEDs

» Connect Tablet/Ultrabook to Ethernet
» Support Window8 RT ( In box driver, AE2233X3)

### AE2302
## Gigabit USB 2.0 Ethernet Adapter

- USB 2.0 Upstream Cable built in (Type A)
- Gigabit Ethernet
- USB bus-powered
- Support USB Power Saving mode
- Support Auto MDIX

» Gigabit Ethernet thru USB 2.0
» Connect Tablet to Ethernet

### AE2220 / 30 /40 /50
## USB 2.0 Ethernet Adapter

- USB 2.0 Upstream Cable built in
  • A-Type (AE2220/AE2230)
  • Mini USB (AE2240)
  • Micro USB (AE2250)
- 10/100 M
- USB bus-powered
- Support USB Power Saving mode
- Support Wake-on-LAN function

» Variety of USB form factor
» Support Wii (AE2220)

| AE2220 | AE2230 | AE2240 | AE2250 |
| --- | --- | --- | --- |
| A-Type USB | A-Type USB | Mini USB | Micro USB |

## Products Information



| Model | AE3102 | AE3100 | AE3101 | AE3302 | AE2233 | AE2302 |
|---|---|---|---|---|---|---|
| Interface | USB 3.0 | | | | USB 2.0 | |
| Ethernet 10/100M | – | – | – | – | ● | – |
| Ethernet Gigabit | ● | ● | ● | ● | – | ● |
| Power Bus-powered | ● | ● | ● | ● | ● | ● |
| Power External | – | – | – | – | – | – |
| Note | – | – | – | – | – | – |



| Model | AE2220 | AE2230 | AE2240 | AE2250 | AE2300 |
|---|---|---|---|---|---|
| Interface | USB 2.0 | | | | |
| Ethernet 10/100M | ● | ● | ● | ● | – |
| Ethernet Gigabit | – | – | – | – | ● |
| Power Bus-powered | ● | ● | ● | ● | ● |
| Power External | – | – | – | – | ● |
| Note | A Type, Wii support | A Type | Mini USB | Micro USB | A Type |

## Ordering Information

| Model | Product Description |
|---|---|
| AE3102 | Gigabit USB 3.0 Ethernet Adapter |
| AE3100 | Gigabit USB 3.0 Ethernet Adapter |
| AE3101 | Gigabit USB 3.0 Ethernet Adapter |
| AE2233 | USB 2.0 to Ethernet Adapter |
| AE2302 | Gigabit USB 2.0 Ethernet Adapter |

| Model | Product Description |
|---|---|
| AE2220 | USB 2.0 to Ethernet Adapter |
| AE2230 | USB 2.0 to Ethernet Adapter |
| AE2240 | USB 2.0 to Ethernet Adapter |
| AE2250 | USB 2.0 to Ethernet Adapter |
| AE2300 | Gigabit USB 2.0 Ethernet Adapter |

# USB HUB

## DEVICE PRODUCTS

- 4 to 10 ports solution
- Ethernet integration
- Smart charging for mobile devices
- High Compatibility

The USB Hub allows you to connect up to several USB peripherals--such as digital cameras, printers, external hard drives, mice, keyboards, flash drives, and smart devices to your laptop or desktop. Besides, BC1.2 (Battery Charging Specification) function is built on dedicated USB port for fast charging to Tablet and Smartphone.

◢ HE3230

### USB 3.0 3-Port Hub
### with Gigabit Ethernet Adapter

- USB 3.0 upstream cable built in (Type A)
- USB 3.0 downstream port x 3
- Gigabit Ethernet
- USB bus-powered

» HUB Plus LAN 2-in-1
» Support Wake-on-LAN function

◢ HU3340

### USB 3.0 Charging Hub

- USB 3.0 upstream port (Micro B)
- USB 3.0 downstream port x 4
  • 1 port supports Apple charging and BC 1.2 charging
- Charging port supports up to 2.1A
- DCP/CDP mode switchable design on charging port
- Automatic switching between self/bus-powered mode

» Button design for USB/Charging mode switch
» Flexible Tablet/Smartphone Stand

◢ HU3640 / HU3641

### USB 3.0 4-Port Hub

- USB 3.0 upstream port (Type B)
- USB 3.0 downstream port x 4
  • 4 ports support Apple charging and BC 1.2 charging
- Automatic switching between self / bus-powered mode
- Support Energy Star Standard

» Apple Charging and BC 1.2 Charging

Bite the flower (HU3640)    Hairline (HU3641)

◢ HU3770 / HU37A0

### USB 3.0 7-Port (10-Port) Hub

- USB 3.0 upstream port (Type B)
- USB 3.0 downstream port x 7 (HU3770)
- USB 3.0 downstream port x 10 (HU37A0)
  • 2 ports support Apple charging and BC 1.2 charging
- Automatic switching between self/bus-powered mode
- Support Energy Star Standard

» Apple Charging and BC 1.2 Charging

◢ HU2SA0

### USB 2.0 10-Port Hub

- USB 2.0 upstream port (Type B)
- USB 2.0 downstream port x 10
  • 2 ports with rotation design for user friendly connection
- Over current detection and protection

» Long and Reliable transmission (12M)

◢ HU2W70 / HU2U70

### USB 2.0 7-Port Hub

- USB 2.0 upstream port (Type B)
- USB 2.0 downstream port x 7
  • 1 port supports Apple charging and BC 1.1 charging (HU2W70)
- Over current detection and protection

» Long and Reliable transmission (12M)

Network Enabled | USB 3.0 | USB 2.0

| Model | HE3230 | HE3130 | HE2440 | HE2230 | HU3340 | HU3640 |
|---|---|---|---|---|---|---|
| Interface | USB 3.0 | | USB 2.0 | | USB 3.0 | |
| Ethernet 10/100M | – | – | ● | ● | N/A | N/A |
| Ethernet Gigabit | ● | ● | – | – | N/A | N/A |
| USB HUB Port Numbers | 3 | 3 | 4 | 3 | 4 | 4 |
| USB HUB Port BC 1.2 Support | – | 3 | – | – | 1 | 4 |
| Power Bus-powered | ● | ● | ● | ● | ● | ● |
| Power External | – | ● | ● | ● | ● | ● |
| Note | – | – | – | – | External DC: 5V/4A | External DC: 5V/2.5A |

| Model | HU3641 | HU3770 | HU37A0 | HU3440 | HU3140 | HU3141 |
|---|---|---|---|---|---|---|
| Interface | USB 3.0 | | | | | |
| Ethernet 10/100M | N/A | N/A | N/A | N/A | N/A | N/A |
| Ethernet Gigabit | N/A | N/A | N/A | N/A | N/A | N/A |
| USB HUB Port Numbers | 4 | 7 | 10 | 4 | 4 | 4 |
| USB HUB Port BC 1.2 Support | 4 | 2 | 3 | 4 | – | – |
| Power Bus-powered | ● | ● | ● | – | ● | ● |
| Power External | ● | ● | ● | ● | ● | ● |
| Note | External DC: 5V/2.5A | External DC: 12V/4A | External DC: 19V/3.16A | External DC: 5V/4A | External DC: 5V/2.5A | External DC: 5V/2.5A |

| Model | HU2SA0 | HU2Y40 | HU2Y41 | HU2W70 | HU2U70 | HU2X40 |
|---|---|---|---|---|---|---|
| Interface | USB 2.0 | USB 2.0 | | | | |
| Ethernet 10/100M | N/a | N/a | N/a | N/a | N/a | N/a |
| Ethernet Gigabit | N/a | N/a | N/a | N/a | N/a | N/a |
| USB HUB Port Numbers | 10 | 4 | 4 | 7 | 7 | 4 |
| USB HUB Port BC 1.2 Support | | 1 | 2 | BC1.1 | – | – |
| Power Bus-powered | ● | ● | ● | ● | ● | ● |
| Power External | ● | ● | ● | ● | ● | ● |
| Note | – | – | – | – | – | Wall Mount Charging |

| Model | HU2V40 | HU2Z40 | HU2024 | HU2044 |
|---|---|---|---|---|
| Interface | USB 2.0 | | | |
| Ethernet 10/100M | N/a | N/a | N/a | N/a |
| Ethernet Gigabit | N/a | N/a | N/a | N/a |
| USB HUB Port Numbers | 4 | 4 | 2 | 4 |
| USB HUB Port BC 1.2 Support | – | – | – | – |
| Power Bus-powered | ● | ● | ● | ● |
| Power External | ● | – | – | – |
| Note | – | – | – | – |

# PC Peripherals

DEVICE PRODUCTS

- Two PCs synchronization
- 5.1/7.1 digital surround sound
- USB devices sharing
- Legacy communication protocol

The DisplayPort Video Adapter is designed for connecting the embedded DisplayPort device (Laptop, desktop and etc.) to other popular video input format (HDMI, VGA, DVI) embedded device (TV, monitor and etc.) with high compatibility and video quality.

### USB DataTransfer

| | | | |
|---|---|---|---|
| | AN3A00 | USB 3.0 Link Adapter | - USB 3.0 Cable (Type A)<br>- Transfer files between two PCs directly<br>- USB bus-powered from either USB port<br>- Works with Windows Easy Transfer - Auto installation<br>- Auto installation |
| | AN2230 | USB 2.0 Link Adapter | - USB 2.0 Cable (Type A)<br>- Transfer files between two PCs directly<br>- USB bus-powered from either USB port<br>- Works with Windows Easy Transfer |
| | AN2640 | High-Speed File Transfer Adapter | - USB 2.0 Cable (Type A)<br>- Transfer files between two PCs directly<br>- USB bus-powered from either USB port - Auto installation<br>- EasySuite software included |
| | AN2641 | High-Speed File Transfer Adapter | - USB 2.0 Cable (Type A)<br>- Transfer files between two PCs directly<br>- USB bus-powered from either USB port - Auto installation<br>- EasySuite software included |

### USB Audio

| | | | | |
|---|---|---|---|---|
| | AA1570 | USB 7.1 CH Sound Box | - USB 2.0 Upstream Port (Type B)<br>- Audio output<br>• S/PDIF x 1 for Dolby digital 7.1 channel audio out<br>• 3.5mm audio jack x 5 for 5.1 channel audio out<br>*» Improve your PC/Mac audio quality dramatically* | - Audio input<br>• Stereo microphone in<br>- Volume up/down/mute button<br>- Record mute button |
| | AA1500 | USB 5.1 CH Sound Box | - USB 2.0 Upstream Cable built in (Type A)<br>- Audio output<br>• 3.5mm audio jack x 5 for 5.1 channel audio out<br>• 3.5mm audio jack x 5 for 5.1 channel audio out | - Audio input<br>• Stereo microphone in<br>- Volume up/down button |
| | AA1504 | USB 5.1 CH Sound Box | - USB 2.0 Upstream Cable built in (Type A)<br>- Audio output<br>• 3.5mm audio jack x 5 for 5.1 channel audio out<br>• 3.5mm audio jack x 5 for 5.1 channel audio out | - Audio input<br>• Stereo microphone in<br>- Volume up/down button |

### USB Share Switch

| | | | |
|---|---|---|---|
| | SS2320 | USB 2 to 2 Share Switch | - USB 2.0 upstream Port (Type B) x 2 to PC<br>- USB 2.0 downstream Port (Type A) x 2 to device<br>- Simple button operation<br>- Software and manual selection connection |
| | SS2115 | USB Share Switch | - USB 2.0 upstream Port (Type B) x 1 to PC<br>- USB 2.0 downstream Port (Type A) x 2 to device (SS2115)<br>- Selection by double click Scroll Lock key.<br>- USB bus-powered |
| | SS2155 | USB Share Switch | - USB 2.0 upstream Port (Type B) x 1 to PC<br>- USB 2.0 downstream Port (Type A) x 4 to device (SS2155)<br>- Selection by double click Scroll Lock key.<br>- USB bus-powered |

### USB Cable Adapter

| | | | |
|---|---|---|---|
| | AS1200 | USB 2.0 to SATA/IDE Combo Adapter | - USB 2.0 Upstream Cable built in (Type A) - Compliant with SATA 1.0a<br>- Support 2.5"/3.5"/5.25" IDE and SATA devices by<br>- Dual-Head IDE connecter (40 pin and 44 pin)<br>• SATA connecter<br>• USB bus-powered |
| | AS3200 | USB 3.0 to SATA Adapter | - USB 3.0 Upstream Cable built in (Type A)<br>- Compliant with SATA II<br>- Support 2.5"/3.5" SATA/SATA II HDD<br>- External power support for 3.5" HDD |
| | AR2502 | USB2.0 Active Repeater Cable | - Active USB 2.0 repeater cable<br>• Repeater cable length is 5 meter (AR2502)<br>- Bus-powered mode |
| | AR2510 | USB2.0 Active Repeater Cable | - Active USB 2.0 repeater cable<br>• Repeater cable length is 12 meter (AR2510)<br>- Bus-powered mode |
| | AR3000 | USB 3.0 Active Repeater Cable | - Active USB 3.0 repeater cable<br>- Repeater cable length is 3 meter<br>- Max. Transfer rate at 5 Gbps<br>- Bus-powered mode and self-powered mode |
| | AP1103 | USB to Serial Adapter | - USB 1.1 Upstream Cable built in (Type A)<br>- Serial port DE-9 pin connecter<br>- Bus-powered mode |
| | AP1200 | USB to PS/2 Adapter | - USB 1.1 Upstream Cable built in (Type A)<br>- PS/2 mini Din 6 pin connecter for keyboard and mouse<br>- Bus-powered mode |
| | AP1305 | USB to Parallel Adapter | - USB 1.1 Upstream Cable built in (Type A)<br>- IEEE 1284 25/36 pin connecter<br>- Bus-powered mode |

# PC Peripherals

| | | | |
|---|---|---|---|
| | CD53K000 | DVI-D TO HDMI ADAPTER | - DVI-D 18P + 1P M<br>- HDMI 19P F |
| | CD17Z000VGA | DVI-I FEMALE DUAL LINK TO VGA MALE ADAPTER | - DVI-I 24P + 5P Female to VGA HDD 15 Pin Male |
| | CD1HH | HDMI MALE TO HDMI CABLE | - Increases bandwidth to 10.2Gbps(340Mhz)<br>- Offers support for 16-bit color, increased refresh rates(ex.120Hz)<br>- Support for 1440p/WQXGA resolutions |
| | CD15G | DVI 24P + 1P MALE TO HDMI MALE CABLE | - Increases bandwidth to 10.2Gbps(340Mhz)<br>- Offers support for 16-bit color, increased refresh rates(ex. 120Hz)<br>- Support for 1440p/WQXGA resolutions<br>- Pin to Pin compatible with DVI |
| | CD1HL | HDMI MALE TO MICRO HDMI Cable | - Support HDMI v1.4<br>- Increases bandwidth to 10.2Gbps (340MHz) |
| | CD166 | DVI-I (INTEGRATED) TO DVI-I DUAL LINK CABLE | - DVI-I 24P + 5P Male to DVI-I 24P + 5P Male |
| | CD155 | DVI-D (DIGITAL) TO DVI-D DUAL LINK CABLE | - DVI-D 24P + 1P Male to DVI-D 24P + 1P Male |