



DigiBird Technology Co., Ltd.

## AVCLink-H

Chassis Datasheet V2.6

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## 2U Chassis

### Introduction

2U device supports a maximum of 32 adaptive input/output optical ports, and supports 1 input and 31 outputs or 31 inputs and 1 output for optical transceivers. The device includes 4 input/output card slots, 2 control card slots, and 2 power supply slots.

### Appearance



The rear panel slots are described below:

| NO. | SLOT                    | DESCRIPTION                                                                                                                                  |
|-----|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| ①   | Input/output card slots | It can be inserted into any input/output card.                                                                                               |
| ②   | Control card slot       | Dedicated control card slots, with the upper slot being the primary control card slot and the lower slot being the backup control card slot. |
| ③   | Power Slot              | /                                                                                                                                            |

### Parameters

| TYPE        | DESCRIPTION         |                                                                                                                                                                                                                                     |
|-------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CARD        | Input/output        | There are four in total, each capable of inserting an eight-channel fiber optic card to connect to a fiber optic transmitter/receiver. An electrical port card can also be inserted to enable direct input/output of video signals. |
|             | Control card        | There are two in total, both of which can be inserted into the control card to achieve a backup function.                                                                                                                           |
| CONTROL     | Methods             | Web-based (Chrome, 360 Speed, Sogou Speed, etc.) browsers support third-party control.                                                                                                                                              |
| PERFORMANCE | Graphics processing | It supports seamless switching of video signals, with no delay, no black interval, no blue screen, no flickering, and other intermediate transition states.<br>Single-fiber/dual-fiber mode is available.                           |
|             | Stability           | Control card hot backup, dual-machine hot standby.                                                                                                                                                                                  |
|             |                     | Status monitoring and proactive alarms.                                                                                                                                                                                             |
|             |                     | Fully upgraded online.                                                                                                                                                                                                              |
| OPERATING   | Power               | 65W                                                                                                                                                                                                                                 |
|             | Op. voltage         | AC 100–240V, 50–60Hz                                                                                                                                                                                                                |
|             | Temperature         | 0–50 °C (operating), -10–60 °C (storage)                                                                                                                                                                                            |
|             | Humidity            | 10%–80% (operating), 10%–90% (storage)                                                                                                                                                                                              |
| APPEARANCE  | Net weight          | 7.8kg                                                                                                                                                                                                                               |
|             | Dimension           | 440(l)x325(w)x90(h) (mm)                                                                                                                                                                                                            |

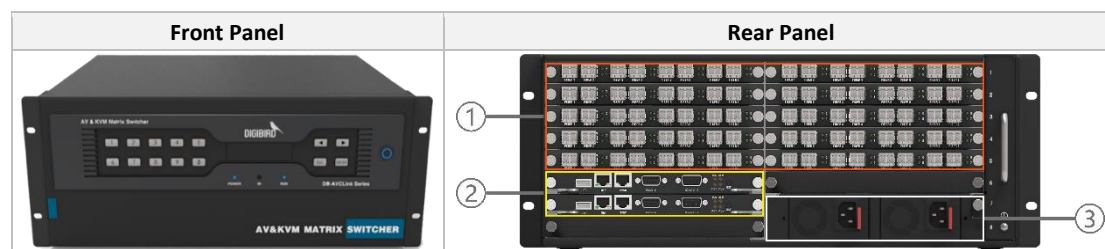


## 4U Chassis

### Introduction

The 4U device supports a maximum of 80 adaptive input/output optical ports, and supports 1 input and 79 outputs or 79 inputs and 1 output for the optical transceiver. The device includes 10 input/output card slots, 2 control card slots, and 2 power supply slots.

### Appearance



The rear panel slots are described below:

| NO. | SLOT                    | DESCRIPTION                                                                                                                                  |
|-----|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| ①   | Input/output card slots | It can be inserted into any input/output card.                                                                                               |
| ②   | Control card slot       | Dedicated control card slots, with the upper slot being the primary control card slot and the lower slot being the backup control card slot. |
| ③   | Power Slot              | /                                                                                                                                            |

### Parameters

| TYPE        | DESCRIPTION         |                                                                                                                                                                                                                        |
|-------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CARD        | Input/output        | There are 10 in total; it can accept an eight-channel fiber optic card for connection to a fiber optic transmitter/receiver; it can also accept an electrical interface card for direct input/output of video signals. |
|             | Control card        | There are two in total, both of which can be inserted into the control card to achieve a backup function.                                                                                                              |
| CONTROL     | Methods             | Web-based (Chrome, 360 Speed, Sogou Speed, etc.) browsers support third-party control.                                                                                                                                 |
| PERFORMANCE | Graphics processing | It supports seamless switching of video signals, with no delay, no black interval, no blue screen, no flickering, and other intermediate transition states.<br>Single-fiber/dual-fiber mode is available.              |
|             | Stability           | Control card hot backup, dual-machine hot standby.                                                                                                                                                                     |
|             |                     | Status monitoring and proactive alarms.<br>Fully upgraded online.                                                                                                                                                      |
| OPERATING   | Power               | 41W (chassis unloaded)                                                                                                                                                                                                 |
|             | Op. voltage         | AC 100–240V, 50–60Hz                                                                                                                                                                                                   |
|             | Temperature         | 0–50 °C (operating), -10–60 °C (storage)                                                                                                                                                                               |
|             | Humidity            | 10%–80% (operating), 10%–90% (storage)                                                                                                                                                                                 |
| APPEARANCE  | Net weight          | 9.8kg                                                                                                                                                                                                                  |
|             | Dimension           | 440(l)x325(w)x178(h) (mm)                                                                                                                                                                                              |

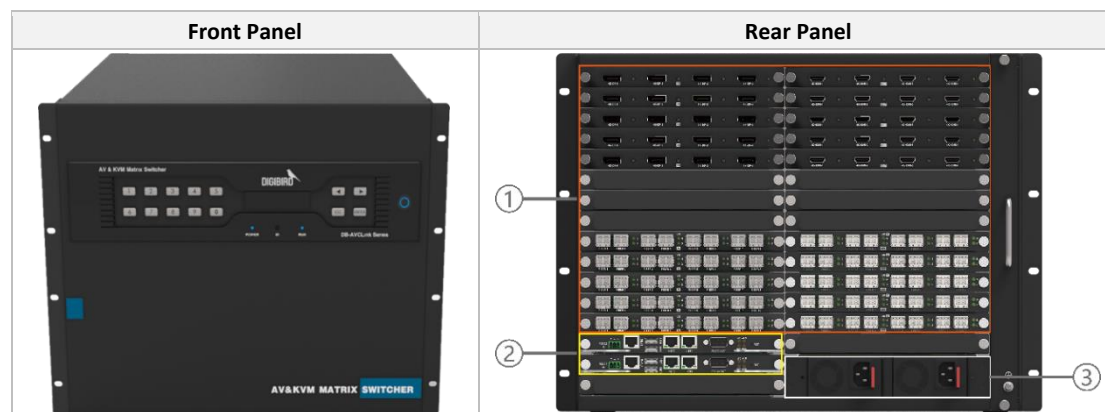


## 8U Chassis

### Introduction

The 8U device supports up to 160 adaptive input/output optical ports, and supports 1 input and 159 outputs or 159 inputs and 1 output for the optical transceiver. The device includes 20 input/output card slots, 2 control card slots, and 2 power supply slots.

### Appearance



The rear panel slots are described below:

| NO. | SLOT                    | DESCRIPTION                                                                                                                                  |
|-----|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| ①   | Input/output card slots | It can be inserted into any input/output card.                                                                                               |
| ②   | Control card slot       | Dedicated control card slots, with the upper slot being the primary control card slot and the lower slot being the backup control card slot. |
| ③   | Power Slot              | /                                                                                                                                            |

### Parameters

| TYPE        | DESCRIPTION         |                                                                                                                                                                                                                    |
|-------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CARD        | Input/output        | There are 20 in total. It can accept an eight-channel fiber optic card for connection to a fiber optic transmitter/receiver; it can also accept an electrical interface card for direct video signal input/output. |
|             | Control card        | There are two in total, both of which can be inserted into the control card to achieve a backup function.                                                                                                          |
| CONTROL     | Methods             | Web-based browsers (Chrome, 360 Speed, Sogou Speed, etc.) support third-party control.                                                                                                                             |
| PERFORMANCE | Graphics processing | It supports seamless switching of video signals, with no delay, no black interval, no blue screen, no flickering, and other intermediate transition states.<br>Single-fiber/dual-fiber mode is available.          |
|             | Stability           | Control card hot backup, dual-machine hot standby.                                                                                                                                                                 |
|             |                     | Status monitoring and proactive alarms.<br>Fully upgraded online.                                                                                                                                                  |
| OPERATING   | Power               | 120W (chassis unloaded)                                                                                                                                                                                            |
|             | Op. voltage         | AC 100–240V, 50–60Hz                                                                                                                                                                                               |
|             | Temperature         | 0–50 °C (operating), -10–60 °C (storage)                                                                                                                                                                           |
|             | Humidity            | 10%–80% (operating), 10%–90% (storage)                                                                                                                                                                             |
| APPEARANCE  | Net weight          | 16.8kg                                                                                                                                                                                                             |
|             | Dimension           | 440(l)x325(w)x355(h) (mm)                                                                                                                                                                                          |

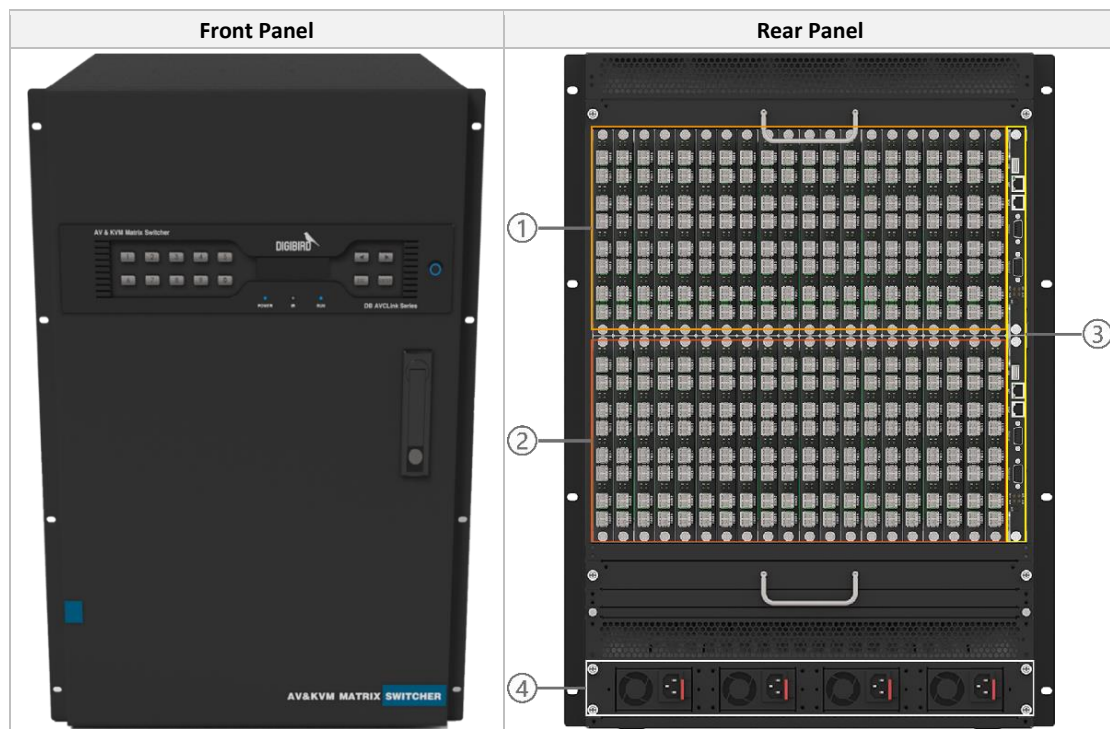


## 15U Chassis

### Introduction

The 15U device supports a maximum of 160 fiber optic input ports and 160 fiber optic output ports. The device includes 20 input card slots, 20 output card slots, 2 control card slots, and 4 power supply slots.

### Appearance



The rear panel slots are described below:

| NO. | SLOT              | DESCRIPTION                                                                                                                                  |
|-----|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| ①   | Input card slot   | It can be inserted into any input card.                                                                                                      |
| ②   | Output card slot  | It can be inserted into any output card.                                                                                                     |
| ③   | Control card slot | Dedicated control card slots, with the upper slot being the primary control card slot and the lower slot being the backup control card slot. |
| ④   | Power Slot        | /                                                                                                                                            |



## Parameters

| TYPE        | DESCRIPTION         |                                                                                                                                                                                                                               |
|-------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CARD        | Input               | The device includes 20 input card slots, which can accommodate an eight-channel fiber optic card for connection to a fiber optic transmitter; it can also accommodate an electrical input card for direct video signal input. |
|             | Output              | The device includes 20 output card slots, which can accommodate an eight-channel fiber optic card for connection to a fiber optic receiver; it can also accommodate an electrical output card for direct video signal output. |
|             | Control             | There are two in total, both of which can be inserted into the control card to achieve a backup function.                                                                                                                     |
| CONTROL     | Methods             | Web browsers (Chrome, 360 Speed, Sogou Speed, etc.) support third-party control.                                                                                                                                              |
| PERFORMANCE | Graphics processing | It supports seamless switching of video signals, with no delay, no black interval, no blue screen, no flickering, and other intermediate transition states.                                                                   |
|             | Stability           | Control card hot backup, dual-machine hot standby.                                                                                                                                                                            |
|             |                     | Status monitoring and proactive alarms.                                                                                                                                                                                       |
| OPERATING   |                     | Fully upgraded online.                                                                                                                                                                                                        |
|             | Power               | 170W (chassis no-load)                                                                                                                                                                                                        |
|             | Op. voltage         | AC 100–240V, 50–60Hz                                                                                                                                                                                                          |
|             | Temperature         | 0–50 °C (operating), -10–60 °C (storage)                                                                                                                                                                                      |
| APPEARANCE  | Humidity            | 10%–80% (operating), 10%–90% (storage)                                                                                                                                                                                        |
|             | Net weight          | 32kg                                                                                                                                                                                                                          |
|             | Dimension           | 440(l)x460(w)x666(h) (mm)                                                                                                                                                                                                     |

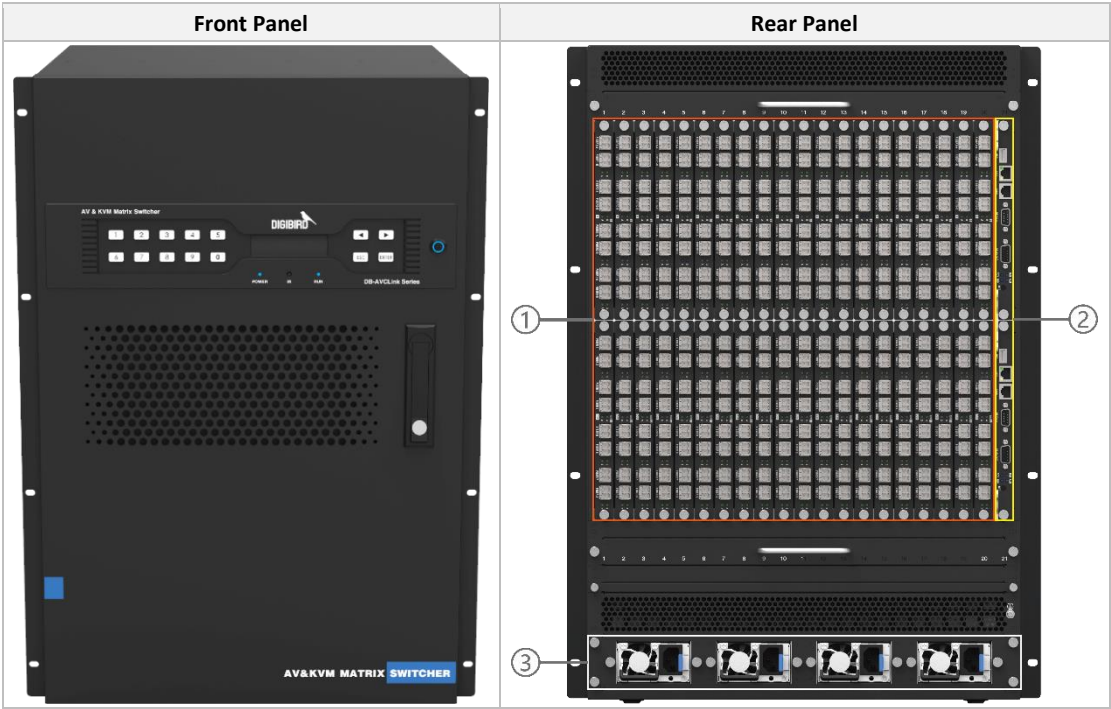


# 15U Enhanced Chassis

## Introduction

15U enhanced chassis supports up to 320 adaptive input/output optical ports, and supports 1 input and 319 output or 319 input and 1 output for optical transceivers. The device includes 40 input/output card slots, 2 control card slots, and 4 power supply slots.

## Appearance



The rear panel slots are described below:

| NO. | SLOT                    | DESCRIPTION                                                                                                                                  |
|-----|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| ①   | Input/output card slots | It can be inserted into any input/output card.                                                                                               |
| ②   | Control card slot       | Dedicated control card slots, with the upper slot being the primary control card slot and the lower slot being the backup control card slot. |
| ③   | Power slot              | /                                                                                                                                            |



## Parameters

| TYPE        | DESCRIPTION         |                                                                                                                                                                                                                     |
|-------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CARD        | Input/output        | There are 40 in total. It can insert an eight-channel fiber optic card to connect to a fiber optic transmitter/receiver; it can also insert an electrical port card to enable direct input/output of video signals. |
|             | Control card        | There are two in total, both of which can be inserted into the control card to achieve a backup function.                                                                                                           |
| CONTROL     | Methods             | Web-based browsers (Chrome, 360 Speed, Sogou Speed, etc.) support third-party control.                                                                                                                              |
| PERFORMANCE | Graphics processing | It supports seamless switching of video signals, with no delay, no black interval, no blue screen, no flickering, and other intermediate transition states.                                                         |
|             |                     | Single-fiber/dual-fiber mode is available.                                                                                                                                                                          |
|             | Stability           | Control card hot backup, dual-machine hot standby.                                                                                                                                                                  |
|             |                     | Status monitoring and proactive alarms.                                                                                                                                                                             |
| OPERATING   | Power               | 450W (chassis no-load)                                                                                                                                                                                              |
|             | Op. voltage         | AC 100–240V, 50–60Hz                                                                                                                                                                                                |
|             | Temperature         | 0–50 °C (operating), -10–60 °C (storage)                                                                                                                                                                            |
|             | Humidity            | 10%–80% (operating), 10%–90% (storage)                                                                                                                                                                              |
| APPEARANCE  | Net weight          | 38.5kg                                                                                                                                                                                                              |
|             | Dimension           | 440(l)x460(w)x666(h) (mm)                                                                                                                                                                                           |

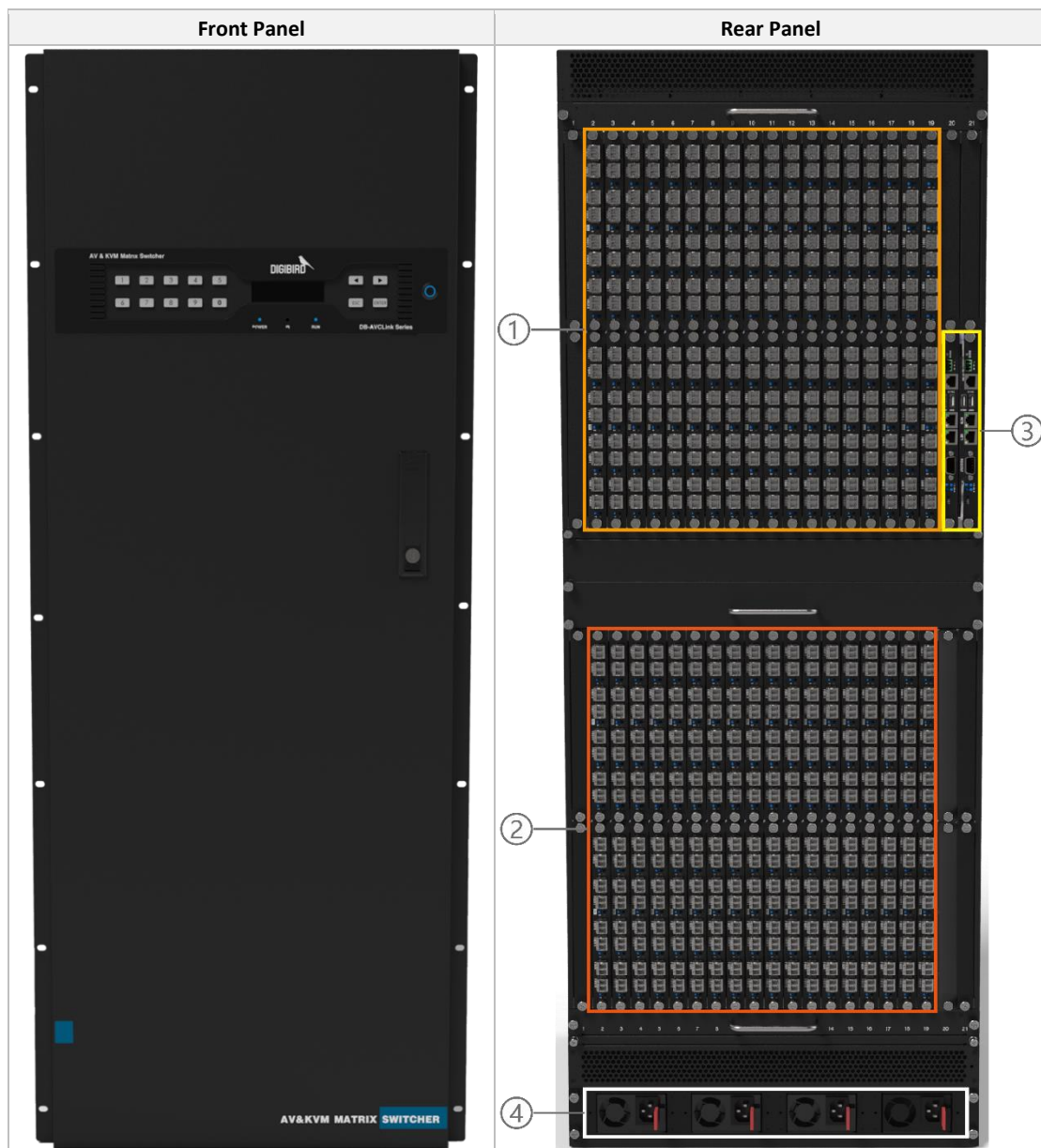


## 26U Chassis

### Introduction

The 26U device supports a maximum of 288 fiber optic input ports and 288 fiber optic output ports. The device includes 36 input card slots, 36 output card slots, 2 control card slots, and 4 power supply slots.

### Appearance



The rear panel slots are described below:

| NO. | SLOT              | DESCRIPTION                                                                                                                                 |
|-----|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| ①   | Input card slot   | It can be inserted into any input card.                                                                                                     |
| ②   | Output card slot  | It can be inserted into any output card                                                                                                     |
| ③   | Control card slot | Dedicated control card slots, with the left side being the primary control card slot and the right side being the backup control card slot. |
| ④   | Power Slot        | /                                                                                                                                           |

## Parameters

| TYPE        | DESCRIPTION         |                                                                                                                                                                                                                               |
|-------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CARD        | Input               | The device includes 36 input card slots, which can accommodate an eight-channel fiber optic card for connection to a fiber optic transmitter; it can also accommodate an electrical input card for direct video signal input. |
|             | Output              | The device includes 36 output card slots, which can accommodate an eight-channel fiber optic card for connection to a fiber optic receiver; it can also accommodate an electrical output card for direct video signal output. |
|             | Control card        | There are two in total, both of which can be inserted into the control card to achieve the backup function.                                                                                                                   |
| CONTROL     | Methods             | Web browsers (Chrome, 360 Speed, Sogou Speed, etc.) support third-party control.                                                                                                                                              |
| PERFORMANCE | Graphics processing | It supports seamless switching of video signals, with no delay, no black interval, no blue screen, no flickering, and other intermediate transition states.                                                                   |
|             | Stability           | Control card hot backup, dual-machine hot standby.                                                                                                                                                                            |
|             |                     | Status monitoring and proactive alarms.                                                                                                                                                                                       |
| OPERATING   |                     | Fully upgraded online.                                                                                                                                                                                                        |
|             | Power               | 280W (chassis no-load)                                                                                                                                                                                                        |
|             | Op. voltage         | AC 100–240V, 50–60Hz                                                                                                                                                                                                          |
|             | Temperature         | 0–50 °C (operating), -10–60 °C (storage)                                                                                                                                                                                      |
| APPEARANCE  | Humidity            | 10%–80% (operating), 10%–90% (storage)                                                                                                                                                                                        |
|             | Net weight          | 50kg                                                                                                                                                                                                                          |
|             | Dimension           | 440(l)x325(w)x1154(h) (mm)                                                                                                                                                                                                    |

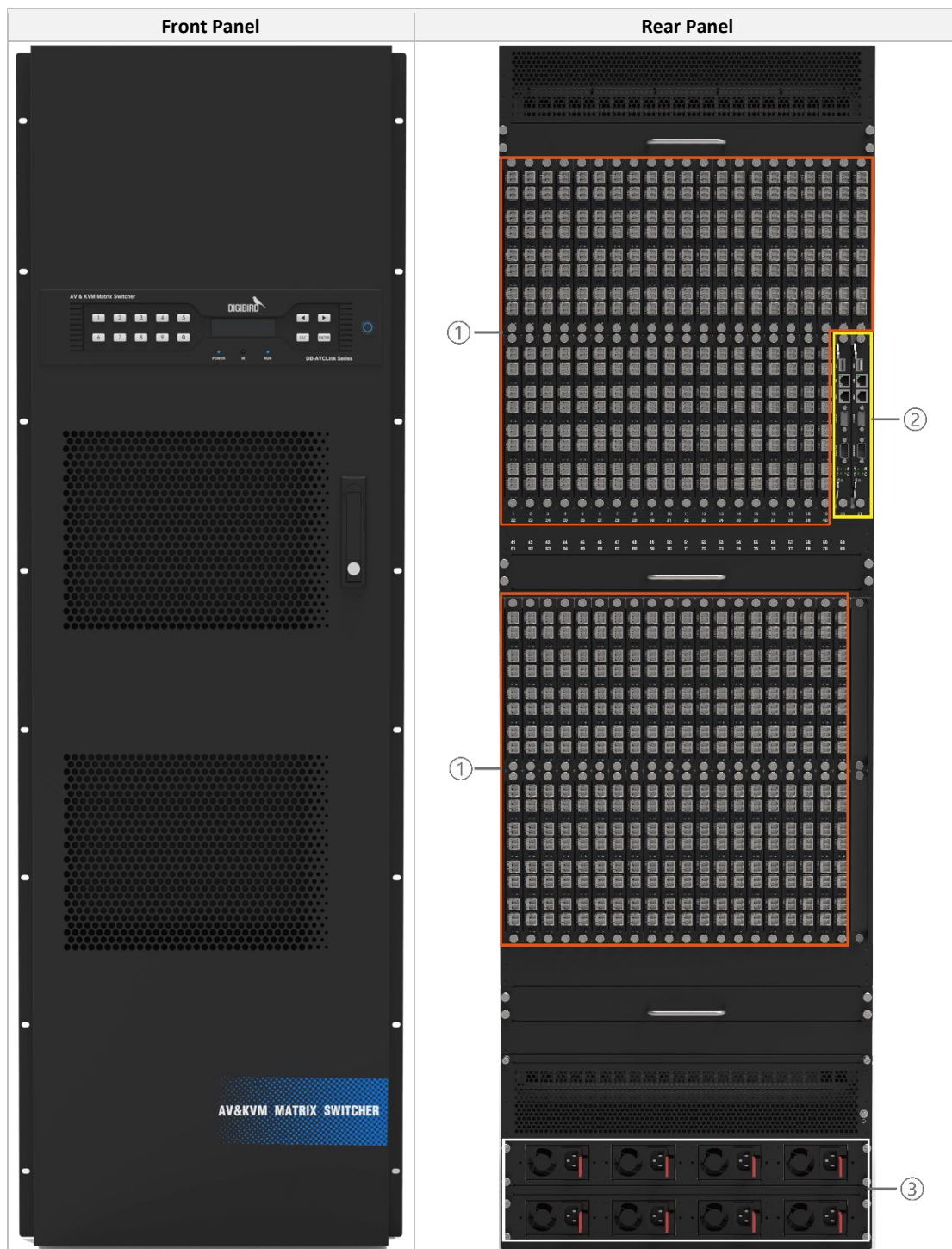


## 32U Chassis

### Introduction

The 32U device supports a maximum of 640 adaptive input/output optical ports, and supports 1 input and 639 outputs or 639 inputs and 1 output for the optical transceiver. The device includes 80 input/output card slots, 2 control card slots, and 8 power supply slots.

### Appearance



The rear panel slots are described below:

| NO. | SLOT                    | DESCRIPTION                                                                                                                                 |
|-----|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| ①   | Input/output card slots | It can be inserted into any input/output card.                                                                                              |
| ②   | Control card slot       | Dedicated control card slots, with the left side being the primary control card slot and the right side being the backup control card slot. |
| ③   | Power Slot              | /                                                                                                                                           |

## Parameters

| TYPE        | DESCRIPTION         |                                                                                                                                                                                                                    |
|-------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CARD        | Input/output        | There are 80 in total. It can accept an eight-channel fiber optic card for connection to a fiber optic transmitter/receiver; it can also accept an electrical interface card for direct video signal input/output. |
|             | Control card        | There are two in total, both of which can be inserted into a control card to achieve backup functionality.                                                                                                         |
| CONTROL     | Methods             | Web-based browsers (Chrome, 360 Speed, Sogou Speed, etc.) support third-party control.                                                                                                                             |
| PERFORMANCE | Graphics processing | It supports seamless switching of video signals, with no delay, no black interval, no blue screen, no flickering, and other intermediate transition states.<br>Single-fiber/dual-fiber mode is available.          |
|             | Stability           | Control card hot backup, dual-machine hot standby.                                                                                                                                                                 |
|             |                     | Status monitoring and proactive alarms.                                                                                                                                                                            |
|             |                     | Fully upgraded online.                                                                                                                                                                                             |
| OPERATING   | Power               | 900W                                                                                                                                                                                                               |
|             | Op. voltage         | AC 100–240V, 50–60Hz                                                                                                                                                                                               |
|             | Temperature         | 0–50 °C (operating), -10–60 °C (storage)                                                                                                                                                                           |
|             | Humidity            | 10%–80% (operating), 10%–90% (storage)                                                                                                                                                                             |
| APPEARANCE  | Net weight          | 77.5kg                                                                                                                                                                                                             |
|             | Dimension           | 440(l)x460(w)x1420(h) (mm)                                                                                                                                                                                         |

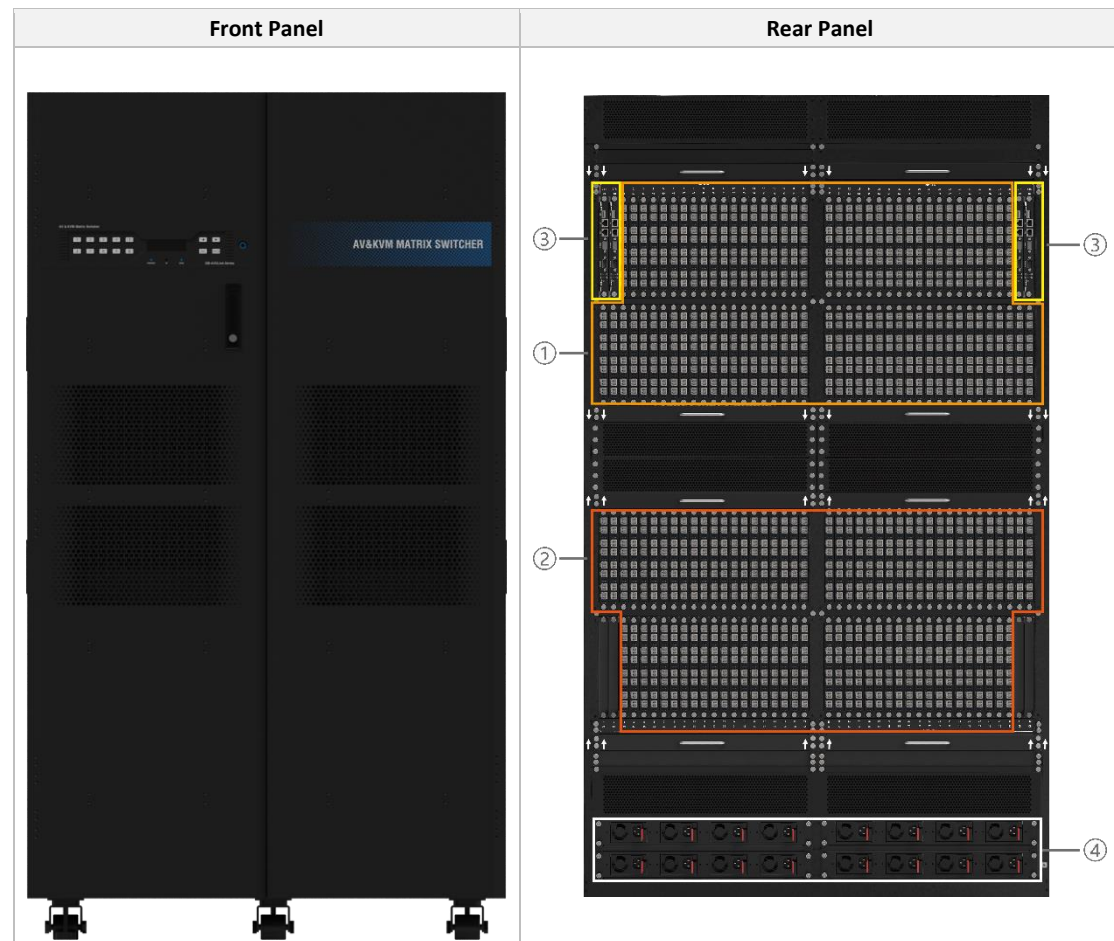


## 36U Chassis

### Introduction

The 36U device supports a maximum of 640 fiber optic input ports and 640 fiber optic output ports. The device includes 80 input card slots, 80 output card slots, 4 control card slots, and 16 power supply slots. The device requires two control cards to operate normally; using three control cards provides control redundancy.

### Appearance



The rear panel slots are described below:

| NO. | SLOT              | DESCRIPTION                                                                                                                                        |
|-----|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| ①   | Input card slot   | It can be inserted into any input card.                                                                                                            |
| ②   | Output card slot  | It can be inserted into any output card.                                                                                                           |
| ③   | Control card slot | Dedicated control card slots, starting from the leftmost side, are: slave control card, reserved slot, main control card, and backup control card. |
| ④   | Power Slot        | /                                                                                                                                                  |



## Parameters

| TYPE        | DESCRIPTION         |                                                                                                                                                                                                                               |
|-------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CARD        | Input               | The device includes 80 input card slots, which can accommodate an eight-channel fiber optic card for connection to a fiber optic transmitter; it can also accommodate an electrical input card for direct video signal input. |
|             | Output              | The device includes 80 output card slots, which can accommodate an eight-channel fiber optic card for connection to a fiber optic receiver; it can also accommodate an electrical output card for direct video signal output. |
|             | Control card        | There are 4 in total. Two control cards are required for normal operation. Using 4 control cards can achieve control redundancy.                                                                                              |
| CONTROL     | Methods             | Web browsers (Chrome, 360 Speed, Sogou Speed, etc.) support third-party control.                                                                                                                                              |
| PERFORMANCE | Graphics processing | It supports seamless switching of video signals, with no delay, no black interval, no blue screen, no flickering, and other intermediate transition states.                                                                   |
|             | Stability           | Control card hot backup, dual-machine hot standby.                                                                                                                                                                            |
|             |                     | Status monitoring and proactive alarms.                                                                                                                                                                                       |
| Operating   |                     | Fully upgraded online.                                                                                                                                                                                                        |
|             | Power               | 1567W (chassis no-load)                                                                                                                                                                                                       |
|             | Op. voltage         | AC 100–240V, 50–60Hz                                                                                                                                                                                                          |
|             | Temperature         | 0–50 °C (operating), -10–60 °C (storage)                                                                                                                                                                                      |
| APPEARANCE  | Humidity            | 10%–80% (operating), 10%–90% (storage)                                                                                                                                                                                        |
|             | Net weight          | 1615 kg                                                                                                                                                                                                                       |
|             | Dimension           | 950(l)x547(w)x1680(h) (mm) with pulley                                                                                                                                                                                        |



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