IEI iDP Introduction

iDP (IEI Internal DisplayPort)

The iDP connector is provided on the IEI 8-series products. Through the IEI IDP converter cards, the iDP connector can support different display specifications, such as VGA, HDMI, DVI-D and LVDS.

Packing List

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DP-DP-R10</td>
<td>DisplayPort extension board (for IEI iDP connector), RoHs</td>
</tr>
<tr>
<td>DP-HDMI-R10</td>
<td>DisplayPort to HDMI 1.3a converter board (for IEI iDP connector), RoHs</td>
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Ordering Information

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DP-DP-R10

DisplayPort extension board (for IEI iDP connector), RoHs

Features

1. DisplayPort output
2. Support up to 1920x1200 resolution

Specifications

- Display Input: 1 x IEI iDP connector
- Display Output: 1 x DisplayPort
- Temperature: -20°C ~ 60°C
- Humidity: 5 ~ 95% non-condensing
- Dimensions: 50 mm x 50 mm

Dimensions (mm)

DP-HDMI-R10

DisplayPort to HDMI 1.3a converter board (for IEI iDP connector), RoHs

Features

1. DisplayPort to HDMI 1.3a output
2. Support up to 1920x1200 resolution

Specifications

- Display Input: IEI iDP connector
- Display Output: 1 x HDMI 1.3a (DP to HDMI 1.3a)
- Display IC: Parade - PS161
- Temperature: -10°C ~ 60°C
- Humidity: 5 ~ 95% non-condensing
- Dimensions: 50 mm x 50 mm

Dimensions (mm)
**DP-LVDS-R10**

**DisplayPort to 24-bit dual-channel LVDS converter board (For IEI iDP connector), RoHs**

**Features**
1. DisplayPort to LVDS output
2. Supports 24-bit dual-channel up to 1920x1200

**Specifications**
- Display Input: 1 x IEI iDP connector
- Display Output: 1 x LVDS 24-bit dual-channel
- Display IC: Parade - PS161 (DP to LVDS)
- Temperature: -10°C ~ 60°C
- Humidity: 5% ~ 95% non-condensing
- Dimensions: 60 mm x 50 mm

**Dimensions (mm)**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
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<tbody>
<tr>
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<tr>
<td>Depth</td>
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**Packing List**
1 x DP-LVDS converter board
1 x QIG
1 x Internal DisplayPort cable, 450 mm length (PN: 32034-000200-100-RS)

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**DP-VGA-R10**

**DisplayPort to VGA converter board (for IEI iDP connector), RoHs**

**Features**
1. DisplayPort to VGA output
2. Supports up to 1920x1200 resolution

**Specifications**
- Display Input: 1 x IEI iDP connector
- Display Output: 1 x VGA
- Display IC: NXP - PTN3392 (DP to VGA)
- Temperature: -10°C ~ 60°C
- Humidity: 5% ~ 95% non-condensing
- Dimensions: 50 mm x 50 mm

**Dimensions (mm)**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
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<tbody>
<tr>
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<td>Height</td>
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**Packing List**
1 x DP-VGA converter board
1 x QIG
1 x Internal DisplayPort cable, 450 mm length (PN: 32034-000200-100-RS)

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**DP-DVI-R10**

**DisplayPort to DVI converter board (for IEI iDP connector), RoHs**

**Features**
1. DisplayPort to DVI output
2. Support up to 1920x1200 resolution

**Specifications**
- Display Input: 1 x IEI iDP connector
- Display Output: 1 x DVI
- Display IC: Parade - PS161 (DP to HDMI / DVI)
- Temperature: -10°C ~ 60°C
- Humidity: 5% ~ 95% non-condensing
- Dimensions: 50 mm x 50 mm

**Dimensions (mm)**

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<td>Width</td>
<td>8.1</td>
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<tr>
<td>Height</td>
<td>43.7</td>
</tr>
<tr>
<td>Depth</td>
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**Packing List**
1 x DP-DVI converter board
1 x QIG
1 x Internal DisplayPort cable, 450 mm length (PN: 32034-000200-100-RS)

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