

DisplayPort Accessories

Datapath Extension and Adaption Modules



DPEXTEND

The DPextend module allows the DisplayPort outputs of the Datapath ImageDP4 graphics card to drive resolutions of up to 2560 x 1600 x 60Hz over 40m into a native DisplayPort monitor.

The compact DPextend module sits securely in the middle of the cable run, using full-sized, locking DisplayPort connectors and intelligently boosts and equalises the DisplayPort signals to extend the cable length. Using high quality Datapath supplied DisplayPort cables the DPextend can support 20m cable lengths on both input and output ports providing a cable reach of 40m for added flexibility in multi-screen system solutions.

POWER

The DPextend and DPadapt are entirely powered by the ImageDP4 graphics card output connectors providing the Datapath DisplayPort cables are used. The DPextend also compensates for voltage losses in the cables to allow it to additionally forward power to the DPadapt module for ultimate conversion to DVI.

DPADAPT

The Datapath DPadapt module is an active DisplayPort to DVI converter which allows the Datapath ImageDP4 graphics card to drive legacy Single-Link DVI monitors at up to 165Mpixels/s. Unlike other DisplayPort to DVI converters which have short, fixed DisplayPort connections, the DPadapt can accept a long input cable, allowing it to exploit the improved cable driving performance of the DisplayPort signal standard. Using a high quality Datapath supplied 20m DisplayPort cable and a standard 5m DVI output cable a 25m run to the DVI monitor is now possible. By combining both the DPextend and DPadapt, cable runs of up to 45m are possible with no additional power supplies.

Engineering the **world's best** visual solutions


DATAPATH
EXCELLENCE BY DESIGN

Datapath Extension and Adaption Modules

FEATURES

DPEXTEND:

- Supports all DisplayPort 1.1a resolutions up to 2560 x 1600 (up to 385Mpixels/s)
- Connects two Datapath 20m DisplayPort cables to provide 40m cable runs
- Powered by the Datapath ImageDP4 graphics card*
- Supports HDCP
- Full latching DisplayPort connectors



DPADAPT:

- Active DisplayPort to DVI conversion at up to 1920 x 1200
- Supports up to 20m Datapath DisplayPort input cables
- Supports single-link DVI-D output
- Powered by the Datapath ImageDP4 graphics card*
- Supports HDCP
- Supports full access to the EDID of the DVI monitor



SPECIFICATION

DPADAPT:

DISPLAYPORT VERSION

1.1a (4 lanes)

CABLE LENGTHS

Up to 2 x 20m DisplayPort (30m total)

HDCP SUPPORT

Yes

SIZE

50mm x 56mm

POWER

0.4W (from Datapath cable, no external power required)

DP POWER INDICATION

Green LED on input port

DPEXTEND:

DISPLAYPORT VERSION

1.1a (4 lanes)

DVI VERSION

1.0 (single-link) DVI-D

CABLE LENGTHS

20m DisplayPort, 5m DVI (25m total)
(40m DisplayPort when used in conjunction with DPextend)

HDCP SUPPORT

Yes

SIZE

54mm x 56mm

POWER

1.1W (FROM DATAPATH CABLE, NO EXTERNAL POWER REQUIRED)

0.4W (from Datapath cable, no external power required)

DP POWER INDICATION

Green LED on input port

MODELS AVAILABLE

CODE	DESCRIPTION
DPadapt10	DisplayPort DVI conversion module, plus 10m powered DisplayPort cable
DPadapt15	DisplayPort DVI conversion module, plus 15m powered DisplayPort cable
DPadapt20	DisplayPort DVI conversion module, plus 20m powered DisplayPort cable
DPextend10	DisplayPort signal extender, plus 10m powered DisplayPort cable
DPextend15	DisplayPort signal extender, plus 15m powered DisplayPort cable
DPextend20	DisplayPort signal extender, plus 20m powered DisplayPort cable

We are continuously developing the technology used within our product ranges delivering outstanding innovative solutions, therefore the specification may change from time to time.

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