

DisplayPort™



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DisplayPort™ is a new digital display interface standard put forth by the Video Electronics Standards Association (VESA). DisplayPort will be the next generation digital interface designed to replace VGA, LVDS and DVI. With a unified internal and external display interface it addresses emerging PC requirement with reduced complexity and scalable performance in terms of resolution, color depth and refresh rate over fewer wires.



Details and Features

Technology: DisplayPort consists of 4 main links, one Auxiliary channel and one Hot-plug signal line.

Main Link: AC-coupled, doubly terminated differential pairs (lanes) with a Rate of 2.7Gbps giving a capacity of 10.8Gbps per 4 lanes.

DisplayPort Content Protection: DPCO provides AES type high speed 128-bit content encryption with secure modern ciphers.

DP Power: With more than 1.5W both on source and sink, connector powered dongles are possible at both ends.

Cable Assembly: Support for full bandwidth over 3 meter of cable, and a max of 1080p resolution at 24bpp, 50/60Hz over a 15 meter cable.

Cables and Dongles

BizLink's DisplayPort series consists of ordinary DisplayPort to DisplayPort cable assemblies as well as two types of dongles. These two dongles are: 1) Active protocol converter for DisplayPort to dual-link DVI and DisplayPort to analogue VGA. 2) Active level shifter with dual mode devices for DisplayPort to single-link DVI and DisplayPort to HDMI Type A. The dongles can be pigtail-design, coupler-design or sink side cable adaptor design.



Connectors



The DisplayPort connector has an optional latching feature to prevent "cable fall-off". With its 20-pin it also include a multi-purpose power pin, this power pin is intended to enable an active dongle for extending the cable

length or enable a legacy converter for interoperability. BizLink manufacture these connectors for cable assemblies and dongles. These connectors are: Cable mount with or without latches. Board mount DIP type and Board mount SMT type with flange.



Company Profile



BizLink is a global manufacturer of connectors, wire, cable assemblies, wiring harnesses and optical components. With factories in China, Malaysia and Mexico, and with sales and engineering support in US, Ireland, Japan and Taiwan, we can not only give you all the benefits as an Asian manufacturer, but also serve you as a local manufacturer. We have RoHS infrastructure in our factories and are ISO9001, ISO14001, ISO13485, TS16949 (QS9000), UL and CSA certified as well.

* DisplayPort is trademark of VESA, DVI is trademark of DDWG and HDMI is trademark of HDMI LLC.



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