DisplayPort

Next-generation digital A/V interface
An overview of DisplayPort

- Next-generation display interface technology
- ST has developed a comprehensive line of DisplayPort-enabled solutions, including LCD monitor controllers and VGA-to-DisplayPort converters
A revolutionary new architecture

- Energy-efficient scalable micro-packet architecture over 1, 2 or 4 lanes
- Up to 10.8 Gbps (v1.1a) and 21.6 Gbps (v1.2) data transfer rate
- Auxiliary channel for bidirectional communication
- Powered connectors can provide up to 1.5 W
DisplayPort for home and work

For home
- Single, light cable for an easy, discreet TV and monitor connections
- For HD TVs and ultra-thin monitors
- Powered connectors support portable projection equipment

For work
- An ideal interface for CAD, CAM or 3D modelling
- Supports cables up to 15m (50ft) long
- Simple converters for VGA/DVI monitors
DisplayPort for gaming and image quality

For gaming
- An ideal interface for CAD, CAM or 3D modeling
- Supports cables up to 15m (50ft) long
- Simple converters for VGA/DVI monitors

For image quality
- Enables billions of colors, ultra-fast refresh rate and extraordinary color depth
- Designed with Blu-ray and advanced 3D in mind
DisplayPort: robust and secure

Robust
- Low magnetic interference for a strong clear signal in the most demanding environments

Secure
- HDCP encryption
DisplayPort goes everywhere

- DisplayPort goes where the bulky VGA cable could never have dreamed!
- Different flavors of DisplayPort serve for on-board communications, replacing LVDS lines in televisions or computer motherboards
Know your DisplayPort logos

<table>
<thead>
<tr>
<th>Logo</th>
<th>Description</th>
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| ![logo](image1) | - High performance standard for true digital picture  
- Delivers highest performance with fastest refresh rates and greatest color depth available |
| ![logo](image2) | - Used to recognize a DP connection |
| ![logo](image3) | - Indicates that the product is capable of working with both DVI and/or DisplayPort technology |
ST – your DisplayPort partner

- One of the key players on the VESA committee
- Frontrunner in DisplayPort deployment and evolution
- Advanced roadmap with 4th-generation TX and RX IPs already started

Our portfolio:
- Multiport analog and digital LCD monitor controllers
- Analog TV controllers
- DisplayPort receivers/transmitters, including the first iDP transmitter/receiver chipset
- DisplayPort-to-VGA converters