DisplayPort

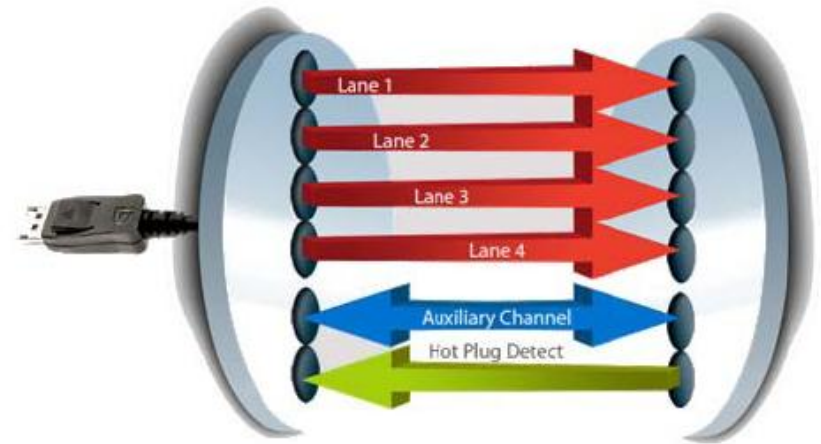Next-generation digital A/V interface

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

CERTIFIED DP®	- High performance standard for true digital picture - Delivers highest performance with fastest refresh rates and greatest color depth available
DP®	Used to recognize a DP connection
‡DP®	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