High Integration USB 3.0 Monitor SoC

From the world leader in USB graphics, DisplayLink introduces the DL-4100 family, an SoC solution created specifically for USB Monitors. This SoC enables a new category of monitors that connect power and data over USB (The most universally deployed connection globally). The DL-4100 family features embedded video frame memory, to enable simple 2-layer PCB designs with the lowest overall bill of materials and power.

Support for newer eDP panels is available in the form of a reference design.

Benefits

- Fully supports Windows, Mac, Chrome OS, Android and Ubuntu

- Universal interface and power with single USB cable

- Low BOM cost, as no external DDR required

- 'Green' monitor solution

- Slim profile monitor

EuP Ready

EnergyStar Ready

Features

- DisplayLink DL3 high-performance video compression

- High Integration/Low BOM Cost

- SuperSpeed USB3.0 or USB C

- LVDS or eDP panel interface

- 2-layer PCB

- Low-power design for USB-powered monitors

DisplayLink Green

Low Power-Bus Power
Zero Power Standby
435 mW Monitor Sleep

Reduced Material
Single Connector
No Mains Supply

Reduced Weight and Size

DisplayLink Certified Plug and Display

DisplayLink Certified products are thoroughly tested in our labs to guarantee interoperability with the vast DisplayLink USB graphics ecosystem. Regular SW updates mean a lifetime of performance updates. Look for the DisplayLink Certified Plug and Display Certified Logos.

DisplayLink™
Plug and Display™

Packaging

- 20 mm x 20 mm
- 0.5 mm lead pitch
- 144 TQFP, RoHS and industry Green conformance

Reference Designs

- DisplayLink supplies a complete set of schematics, PCB layout, firmware, and OS drivers to complete a bus powered or mains powered monitor design
- Support for eDP panels through LVDS to eDP conversion reference design available

DisplayLink Compression – DL3

- Ultra-Low latency
- Clear and crisp text and graphics
- Link aware - adapts automatically to bandwidth constraints
- Compression tuned for video content and high-quality graphics
- Uncompromised UHD video quality

Supported Platforms

Microsoft Windows™

Windows 10
Windows 8, 8.1
Windows 7

Apple® Mac® OS

OS X 10.8 onwards

Google Android™

v5.0 Lollipop onwards

Ubuntu

Ubuntu 14.10 onwards

Chrome OS

Chrome OS R51 onwards

1920x1080 (1080p)	DL-4120	
1400x1050 (900p)	DL-4115	
1366x768 (720p)	DL-4110	
	USB 3.0 USB 2.0	eDP - Panel LVDS – Panel

Display Solution
Your flatpanel partner

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