DisplayLink DL-4100 Series
High Integration USB 3.0 Monitor SoC

DisplayLink

USB 3.0
Video + Power

DisplayLink™
DL-4120
EP1268
1220001
TAIWAN-A0

LVDS
eDP

Monitor

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 10, 8 and 7
- Universal interface and power with single USB cable
- Low BOM cost
- 'Green' monitor solution
- Slim profile monitor
- EnergyStar and EuP ready (<1/2W standby)

Features

- DisplayLink DL3 high-performance video compression
- HDCP 2.0 capable for protected video playback
- High Integration/Low BOM Cost
- SuperSpeed USB3.0
- 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™ Plug and Display™

DisplayLink Certified products are thoroughly tested to guarantee interoperability with the vast DisplayLink USB graphics ecosystem. Regular SW updates means a lifetime of performance updates. Look for the DisplayLink Certified Plug and Display Certified Logos.
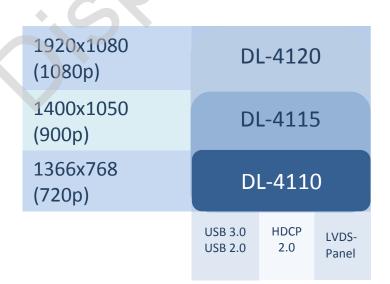
DisplayLink Compression – DL3

- 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
- Compatible with HDCP 2.0 encryption

Packaging

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

Reference Design

- 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

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

Supported Platforms

Microsoft® Windows™
Windows 10
Windows 8, 8.1
Windows 7
Legacy Windows XP - Vista

Apple® Mac® OS
OSX 10.8 onwards

Google Android™
v5.0 Lollipop onwards

Linux
Ubuntu 14.10 onwards

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HI-SPEED CERTIFIED USB

SUPERSPEED CERTIFIED USB

Full HD 1080p

LVDS Interface

EuP Ready

EnergyStar Ready

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