

DisplayLink DL-3000 Series



Highly Integrated USB 3.0 IC

From the world leader in USB virtual graphics, DisplayLink brings you the highly integrated DL-3000 family of "Dock on a Chip". Taking advantage of SuperSpeed USB 3.0's bi-directional throughput, these chips can simultaneously drive up to two Full-HD displays, as well as Gigabit Ethernet network data, and multi-channel audio. The DL-3000 chips will bring new levels of affordability, universal compatibility, ease of use and high performance to USB 3.0 PC peripherals, while also raising the bar for USB 2.0 graphics performance.

New Features

- Single IC for both USB 2.0 & 3.0
- Dual digital video outputs (DL-3900)
- Ultra-high resolution support (up to 2560x1600)
- Improved video compression (DL 3.0)
- Gigabit Ethernet MAC
- Supports VGA, DVI, HDMI 1.3, and DisplayPort 1.1 monitor connections
- 6 channel audio (up to 5.1 ch)
- HDCP 2.0 encryption over the USB input
- Capable of protected content playback
- USB 2.0 & 3.0 bus power capable
- Fully backwards compatible over USB 2.0



Product Applications

Dual Head Docks

(DL-3900) High performance universal docking stations with dual monitor output

USB 3 Monitor-Docks

(DL-3700) USB 3 monitors with built-in network and audio functionality bringing the best of USB monitors and USB docks together

USB 3 Bus-Powered Monitors

(DL-3100) Low power USB 3 monitors using a single cable for both power and graphics data

USB 3 Bus-Powered Graphics Adapters

(DL-3500 & DL-3100) USB3 to HDMI adapters with audio for easy PC to TV connectivity. USB 3 to DVI and USB 3 to DisplayPort adapters also available

DisplayLink DL-3000 Series



DisplayLink Certified Beyond HD



DisplayLink Certified products are thoroughly tested to guarantee interoperability with the vast DisplayLink USB graphics ecosystem and provide continued performance upgrades through lifetime updates. Look for the DisplayLink Certified Beyond HD and DisplayLink Certified Logos.

DisplayLink Compression – DL 3.0

- Adapts automatically to wired and wireless bandwidth constraints
- Compression tuned for video content and high quality graphics
- Uncompromised HD video quality even over legacy USB 2 connections
- Compatible with content protection through HDCP 2.0 encryption

Packaging

- 17mm x 17mm
- 400-ball PBGA, lead free (RoHS compliant and industry “Green” conformance)
- 0.8mm ball pitch

Reference Design

- Designs and schematics available for docking and adapter applications

Supported Platforms

Microsoft® Windows™

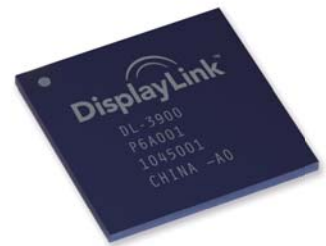
Windows 7, Windows Vista
(32-bit, 64-bit, Aero & 3D Support)
Windows XP SP3
Windows Multipoint Server 2010/2011

Apple Mac OS

Coming soon

Linux

Coming to Open Source soon



Product Feature	DL-3100	DL-3500	DL-3700	DL-3900
DL 3.0 Video-Tuned Compression	✓	✓	✓	✓
Dual Head Output				✓
Resolutions up to 2560x1600		✓	✓	✓
Resolutions up to 2048x1152 (including 1080p)	✓	✓	✓	✓
Integrated VGA	✓	✓	✓	✓
Integrated DVI (with HDCP)	✓	✓	✓	✓
Integrated HDMI (with HDCP 1.3)		✓	✓	✓
Gigabit Ethernet MAC			✓	✓
Support for DisplayPort 1.1		✓	✓	✓
6 channel Audio (up to 5.1 ch)		✓	✓	✓
USB 3 Input	✓	✓	✓	✓
USB 2 Input	✓	✓	✓	✓
Protected video playback via HDCP 2.0	✓	✓	✓	✓



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