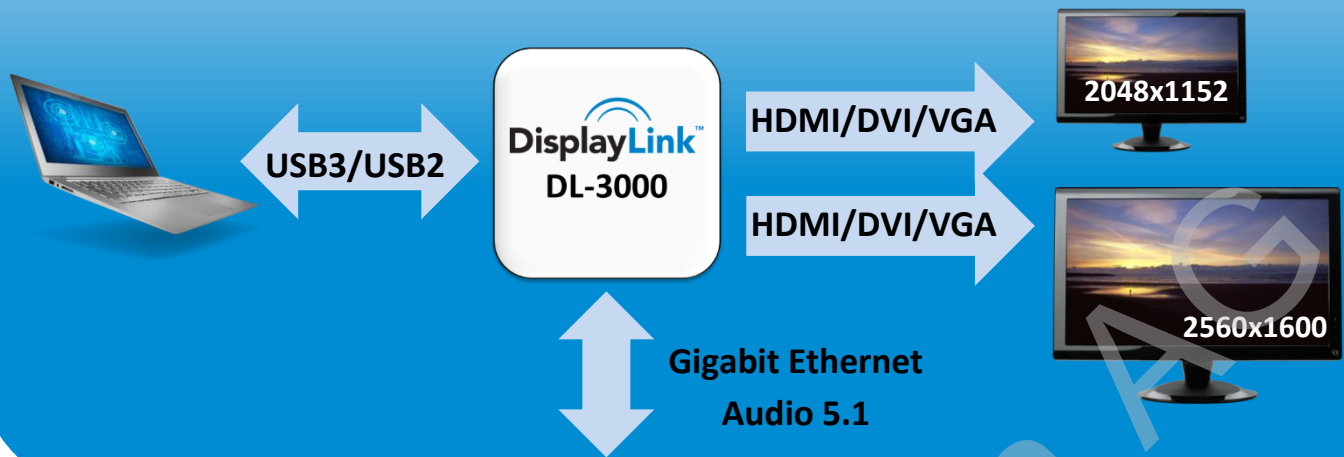


DisplayLink DL-3000 Series

Highly Integrated USB 3.0 Dock on a Chip



Not all features available on all chips, see verso for feature breakdown

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.

Benefits

- Fully supports Windows 10
- High performance universal USB video interface
- Low BOM cost
- Universal interface and power with USB cable
- Compatible with new USB Type-C or legacy USB connectors

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 5.1ch)
- 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

Single & Dual Head Docks

High performance universal docking stations with single or 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 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

USB 3 Projector

* DisplayPort available with external transmitter

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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 means a lifetime of performance updates. Look for the DisplayLink Certified Plug and Display Certified Logos.

DisplayLink Compression – DL3.0

- 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

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

Reference Design

- DisplayLink Supplies a complete set of schematics and PCB layout information along with firmware and OS drivers to complete a bus powered or mains powered monitor design

Supported Platforms

Microsoft® Windows™

- Windows 10
- Windows 8, 8.1
- Windows 7
- Legacy Windows XP - Vista

Apple® Mac® OS

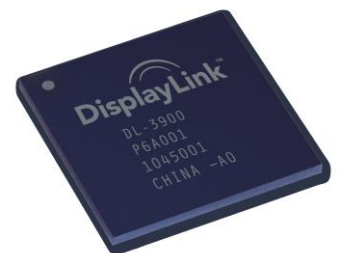
- OS X 10.8 onwards

Google Android™

- v5.0 Lollipop onwards

Linux

- Ubuntu 14.10 onwards



Product Feature	DL-3100	DL-3500	DL-3700	DL-3900	DL-3950
DL-3+ Video-Tuned Compression	✓	✓	✓	✓	✓
Dual Head Output				✓	✓
Resolutions up to 2560x1600 (number)		1	1	1	2
Resolutions up to 2048x1152, inc. 1080p (number)	1	1	1	2	2
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	✓	✓	✓	✓	✓

DL-3000 Series Feature Matrix



*No audio output support on HDMI output of DL-3955

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