DisplayLink DL-3000 Series
Highly Integrated USB 3.0 Dock on a Chip

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

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
- USB 3 Projectors

*DisplayPort output requires an external transmitter

Features

- Single IC for both USB 2.0 & 3.0
- 2K 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 1.x for protected video playback
- Fully backwards compatible over USB 2.0
- USB 2.0 & 3.0 bus power capable
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.

Packaging

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

Reference Designs

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.

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

Supported Platforms

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

Apple® Mac® OS
- OS X 10.8 onwards

Android
- v5.0 Lollipop onwards

Ubuntu
- Ubuntu 14.10 onwards

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

<table>
<thead>
<tr>
<th>Product Feature</th>
<th>DL-3100</th>
<th>DL-3500</th>
<th>DL-3700</th>
<th>DL-3900</th>
<th>DL-3950</th>
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<tbody>
<tr>
<td>DL-3+ Video-Tuned Compression</td>
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<td>Dual Head Output</td>
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DL-3000 Series Feature Matrix