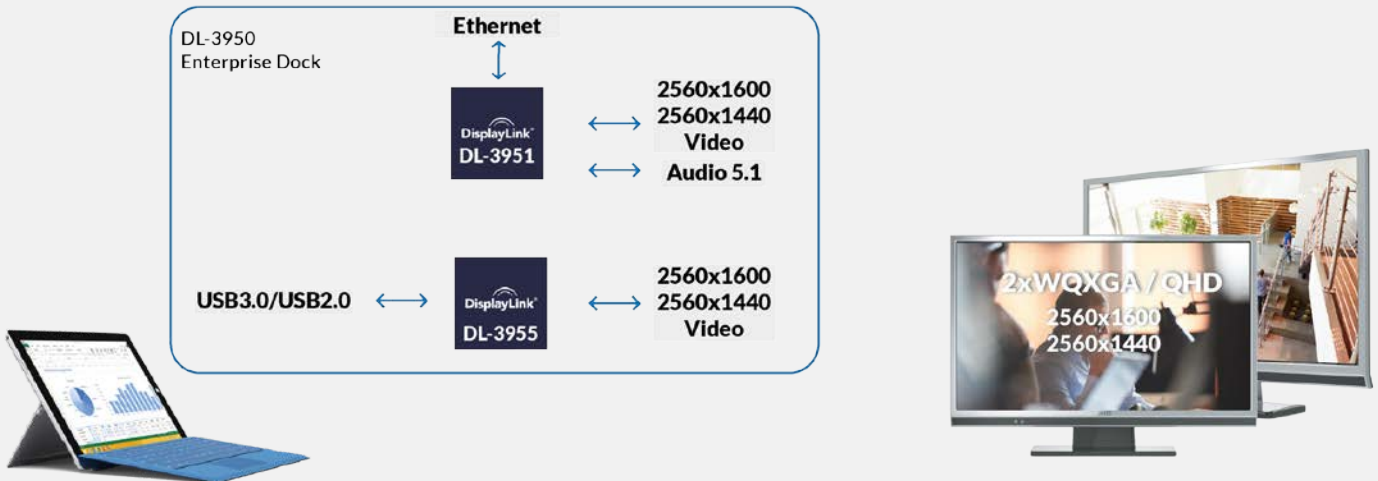


DisplayLink DL-3950 Chipset

Dual QHD Universal Enterprise Dock

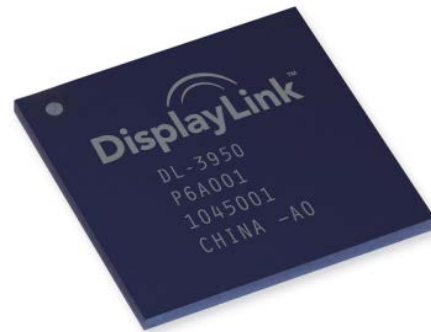


Dual QHD Universal Docking

From the world leader in USB graphics, DisplayLink introduces the new DL-3950 chipset that enables the new trend of 'Retina' resolution WQXGA 2560x1600 and QHD 2560x1440 productivity desktops. With the movement of 'Retina' resolution display from mobile platforms to the desktop DisplayLink creates a new class of universal USB-based docking solution for this emerging segment of low cost high resolution displays.

Benefits

- Compatible with new USB Type-C or legacy USB connectors
- Highest image quality with lowest latency
- Integrated Ethernet and Audio
- 100% compatible with existing DL universal docking
- Can be used with other DisplayLink products to enable up to 6 USB displays



Product Applications

USB3 Universal Docks

WQXGA/QHD dock with built-in Ethernet and Audio impossible.



Features

- Dual 2560x1600p60 over DisplayPort 1.1a
- Dual 2560x1440p60 over HDMI 1.3
- DVI and VGA also supported
- Supports up to 2 outputs from 4 connectors
- Backward compatible with HD monitors
- HDCP 1.x for protected video playback
- Integrated Gigabit Ethernet
- Integrated 5.1 Audio*

DisplayLink DL-3950 Chipset

Dual QHD Universal Enterprise Dock



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 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

Reference Designs

DisplayLink supplies a complete set of schematics and PCB layout information along with firmware and OS drivers to complete a QHD Universal Dock

Packaging

- 2 Device bundle of DL-3950 Order Code
 - **DL-3951** 2560x1600/1440 Video, Ethernet, Audio
 - **DL-3955** 2560x1600/1440 Video
- 17 mm x 17 mm
- 400 BGA, RoHS and industry Green conformance
- 0.8 mm ball pitch
- DL-3950-N non-HDCP version available

Supported Platforms

Microsoft Windows™

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

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



Feature/Product	DL-3700	DL-3900	DL-3950
2560x1600p60 (number)	1	1	2
2560x1440p50 (number)	1	1	2
2048x1152p60 (number)	1	2	4
Number of video connectors	1	2	4
Number of video outputs	1	2	2
DP (external)	✓	✓	✓
HDMI	✓	✓	✓*
DVI & VGA	✓	✓	✓
5.1 Audio	✓	✓	✓
Gigabit Ethernet	✓	✓	✓

DL-3xxx Feature Matrix

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

