

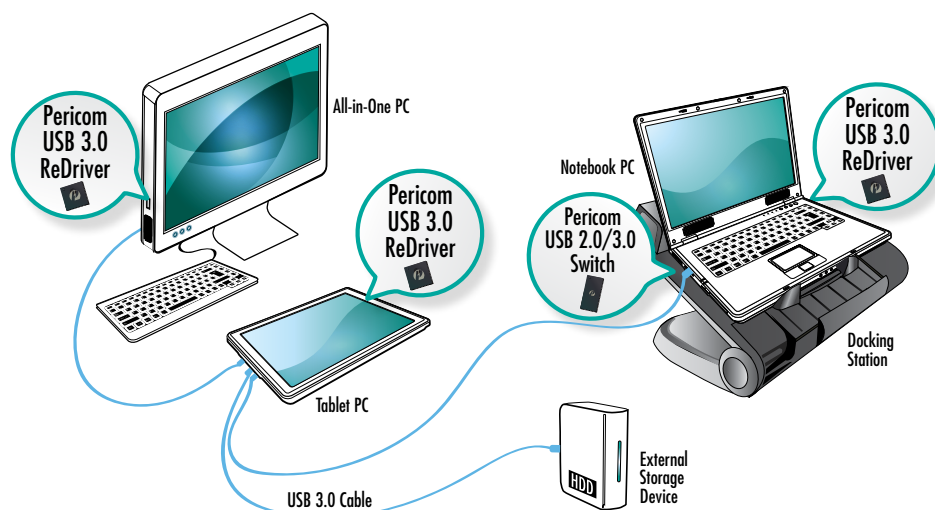
USB 3.0 REDRIVER™ SOLUTIONS

PERICOM USB 3.0 REDRIVER™ & REPEATER SOLUTIONS

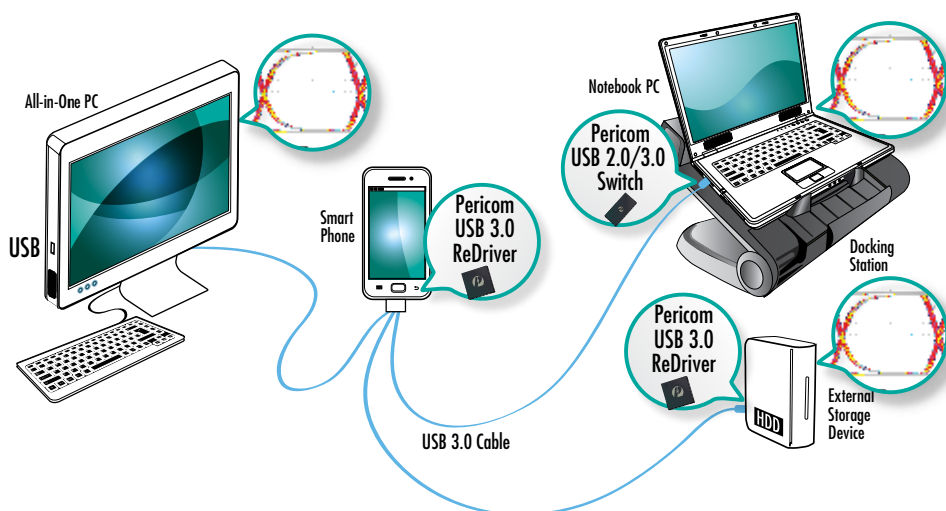
An integral part of USB 3.0 Ecosystem

Pericom USB3.0 ReDriver™ (also known as Repeater) technology delivers industry leading Signal Conditioning solutions to USB3.0 system designers. Equipped with advanced EQ/DE/Output Swing control settings, Pericom USB3.0 ReDriver™ (Repeater) can be pre-configured to support high-speed USB 3.0 trace extension, VIA & connector routing and USB cable connection requirements. All Pericom USB3.0 ReDriver™ (Repeater) products are fully certified by the USB 3.0 Compliance Committee and are seamlessly compatible to mainstream OS systems.

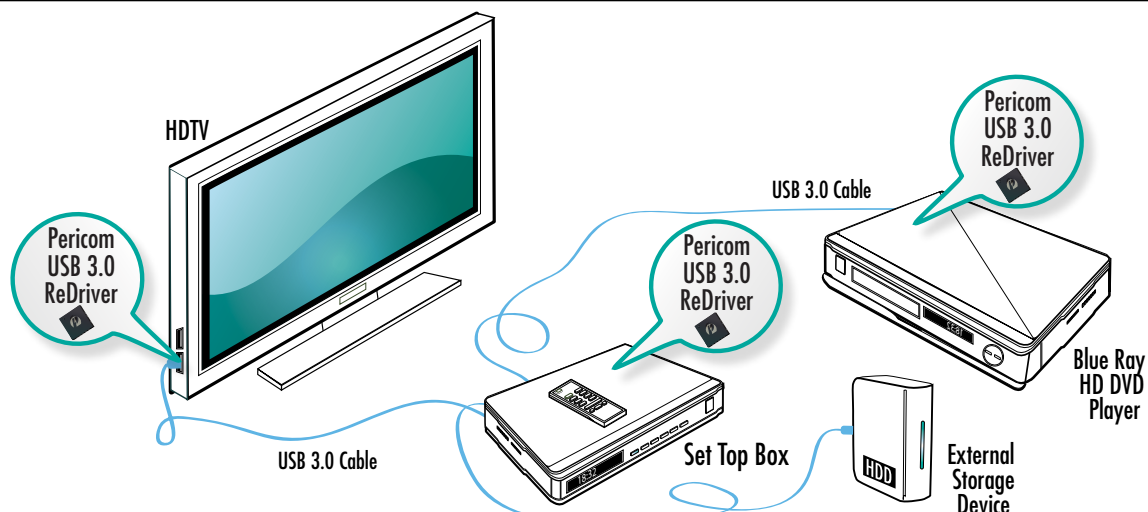
Pericom USB 3.0 ReDriver™ in Tablet, Ultrabook & All-in-One PC



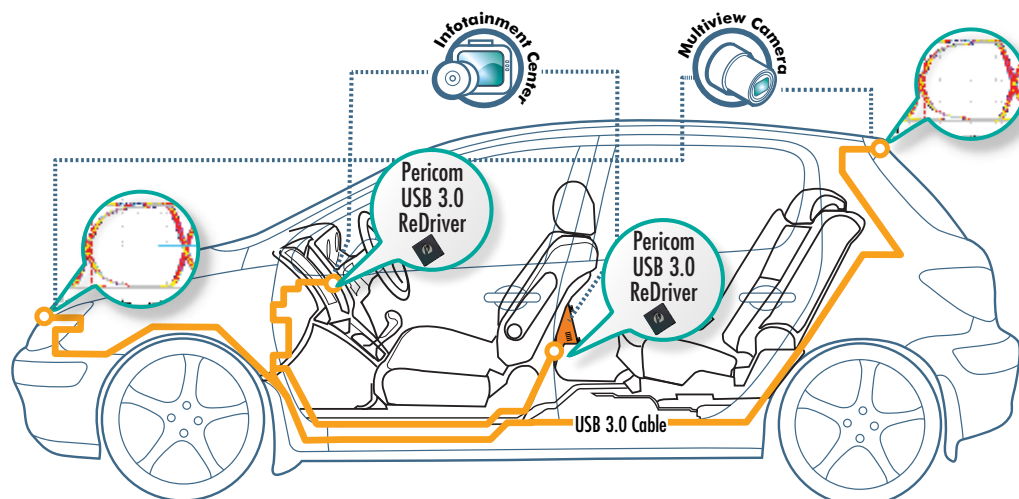
Pericom USB 3.0 ReDriver™ (Repeater) in Smart Handheld Device



Pericom USB 3.0 ReDriver™ (Repeater) in HDTV/Set Top Box & BlueRay DVD Player



Pericom USB 3.0 ReDriver™ (Repeater) in Automotive/Infotainment/Video Camera



Pericom USB 3.0 ReDriver™ (Repeater) Solutions Selector Guide

	PI2EQX510	PI2EQX511	PI3EQX501/ PI2EQX501/	PI3EQX502/ PI2EQX502/ PI1EQX502	PI3EQX7502/ PI2EQX7502/ PI1EQX7502	PI3EQX7741/ PI2EQX7741	PI3EQX7742/ PI2EQX7742	PI3EQX7841
Ports/Channels	1-Channel	1-Channel	1-Channel	1-Port/2-Channel	1-Port/2-Channel	1-Port/2-Channel	2-Port/4-Channel	1-Port/2-Channel
Pkg Size (mm ²)	1.6x1.6	1.6x1.6	2x2	3x3	4x4	4x4	3.5x9	4x4
Pins	10	12	8	16	24	20	42	20
Vdd	1.2V~1.8V	1.2V~1.8V	3.3V/1.2V ~1.8V	3.3V/1.2V ~1.8V/1.05V	3.3V/1.2V ~1.8V/1.05V	3.3V/1.2V~1.8V	3.3V/1.2V~1.8V	3.3V
EQ Settings	3~12 dB	3~12 dB	3~12 dB	3~12 dB	3~9 dB	3~9 dB	3~9 dB	0~15 dB
DE Settings	0~-6 dB	0~-6 dB	0~-6 dB	0~-6 dB	0~-6 dB	0~-6 dB	0~-6 dB	0~-6 dB
Industrial Temp (-40 to +85C)	NO	NO	YES	YES	YES	YES	YES	YES
I ² C	NO	NO	NO	NO	NO	NO	NO	YES
USB-IF Compliance	YES	YES	YES	YES	YES	YES	YES	YES
Design Kit, User and Layout Guide	YES	YES	YES	YES	YES	YES	YES	YES
Suggested Application	Industry's Smallest Package. SmartPhone, Tablet, Ultrabook, SmartPhone, Digital camera, PC peripheral. Use where Tx or Rx channel requires added EQ.	Industry's Smallest Package. SmartPhone, Tablet, Ultrabook, SmartPhone, Digital camera, PC peripheral. Use where Tx or Rx channel requires added EQ.	Industry's ultra-small package. Tablet, Ultrabook, SmartPhone, Digital camera, PC peripheral. Use where Tx or Rx channel requires added EQ.	Industry's Ultra-small package for 1-port USB 3.0 ReDriver. Tablet, Notebook, Server, Ultrabook, Cables, Smartphone.	Notebook, Ultrabook, Server, Server Blade, Workstation, Industrial PC.	Notebook, Cabling, Server, Embedded, Automotive (Infotainment), Industrial PC, PC Add-on card.	Server, Storage, Embedded, Workstation, Server Blade, Industrial PC.	Server, Storage, Embedded. Use where I ² C control of EQ, De-emphasis and Output Swing is preferred.