

LynxUSB Plus

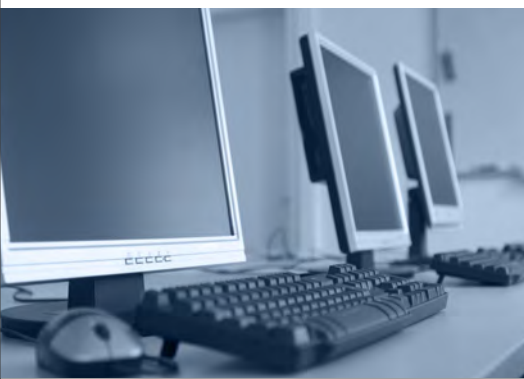
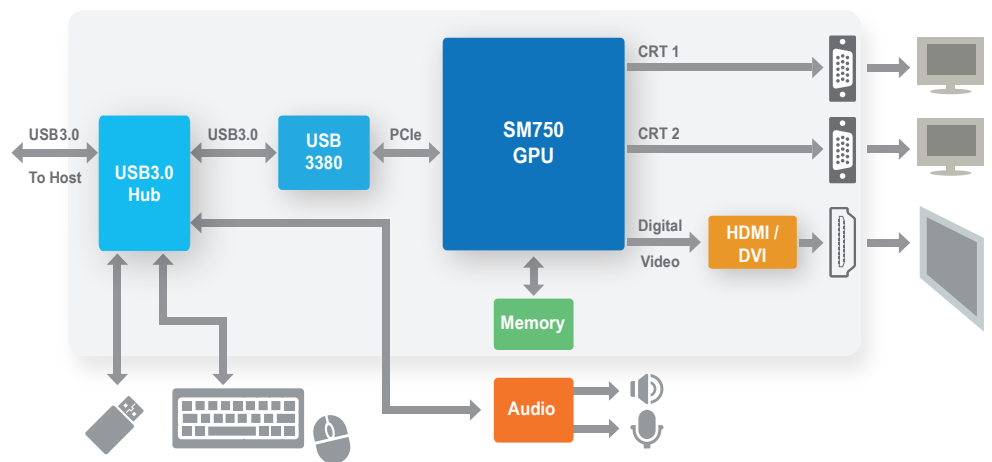
SM750 USB3.0 Zero Client

LynxUSB Plus is a USB3.0 zero client reference design kit solution, designed for a client connecting to a host server computer through the USB3.0 interface. Featuring Silicon Motion SM750 GPU, dual analog RGB and digital HDMI/DVI display outputs are provided for enhanced display options. With greater flexibility and security, LynxUSB Plus offers USB ports for various user I/O peripheral supports including keyboard, mouse, audio, and other devices.

APPLICATIONS

- Zero Clients
- Gaming
- Dock Stations
- Other Embedded Graphics Applications

BLOCK DIAGRAM



FEATURES

USB 3.0 Hub Controller

- Connects up to four USB peripherals
- USB 3.0 port for PCIe bridge
- Two external USB ports for keyboard, mouse, or other device
- On-board USB audio, or (w/o audio) option for a third external USB port

USB 3.0 to PCI-Express Bridge Interface

- USB 3.0-to-PCIe bridge from PLX Tech: USB3380
- Supports SuperSpeed, Hi-Speed, Full-Speed modes
- Enables SuperSpeed PCI-Express connection to SM750 Graphics Processor

SM750 Graphics Processor

- SM750 graphics with 16MB integrated video memory
- External option for up to 64MB DDR (64-bit I/F)
- Dual analog VGA outputs
- Digital HDMI/DVI output

Audio Support

- Stereo audio output
- Microphone or audio line input
- Solid State System SSS1629 USB 2.0 audio codec

Power Connector for External 5V Power Supply

Software Specifications – USB Display Drivers

- Resolution support: VGA (640x480), SVGA, XGA, SXGA, WXGA, ED (1366x768), WXGA+, WSXGA+, Full HD (1920x1080), WUXGA (1920x1200) and QWXGA (2048x1152).
- Modes: Extended Desktop Single and Dual View, Clone, and Portrait modes
- Windows operating systems: WinXP 32-bit/Win7/2008 R2/Win8
- Supports Windows Multipoint Server (WMS)
- Linux OS Ubuntu drivers (Red Hat and SUSE as required)
- Linux Useful Multi-Seat Server support
- Media playback: Windows Media Player 11, Win DVD 8, PowerDVD 7, RealPlayer 11
- Audio: Support PCM audio data format, Windows XP 32-bit/Win7/2008 R2/Win8 Drivers, Linux Ubuntu / RHEL / Suse, Windows Compact 7 (per request), MAC OS X (per request)
- User-friendly install and uninstall utilities

Design Kit CD

- Schematics: DSN, Gerber files, BOM and PDF
- Software: Linux drivers, Windows drivers
- Application notes: Design guide, User guide and OS guides (Linux and Windows)

Vertrieb durch / Distribution by

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COMPUTER COMPONENTS

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