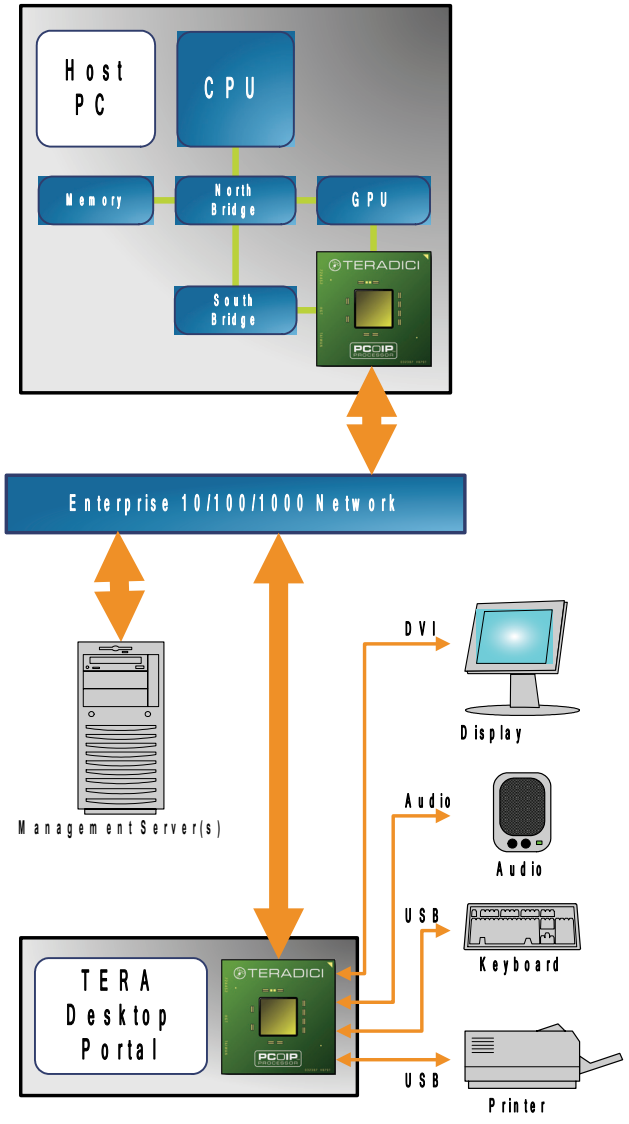
TERA1100 PCoIP™ Desktop Portal Engine

PC-over-IP Overview

Teradici's PC-over-IP (PCoIP) technology provides high visual fidelity, network-delivered PC functionality with an immaculate, uncompromised end user experience using the Teradici PCoIP Display Engines. The Teradici PCoIP architecture includes the TERA1200 Host Engine and the TERA1100 Desktop Portal Engine. The TERA1200 encodes the complete PC experience including the display, high definition audio, and USB, then transmits the compressed signal over the enterprise IP network. At the user end, the TERA1200, housed in the TERA Desktop Portal device, receives and decodes these signals to provide standard PC interfaces while supporting reverse communication to the host for all PC I/O peripherals. The PCoIP solution offers a true computing experience for the end user while supporting the efficiency and security of centralized computing.



Key Features

The PC-over-IP (PCoIP) architecture provides:

- **True visual fidelity multimedia and graphics, supporting dual DVI at 1920x1200 resolution.**
- **The TERA Desktop Portal is a stateless, transparent, and management free end-user device that eliminates virus and intrusion threats.**
- **Transparent USB and high-definition audio bridging.**
- **Robust security includes USB device authorization and encrypted communications.**
- **Operating system agnostic.**

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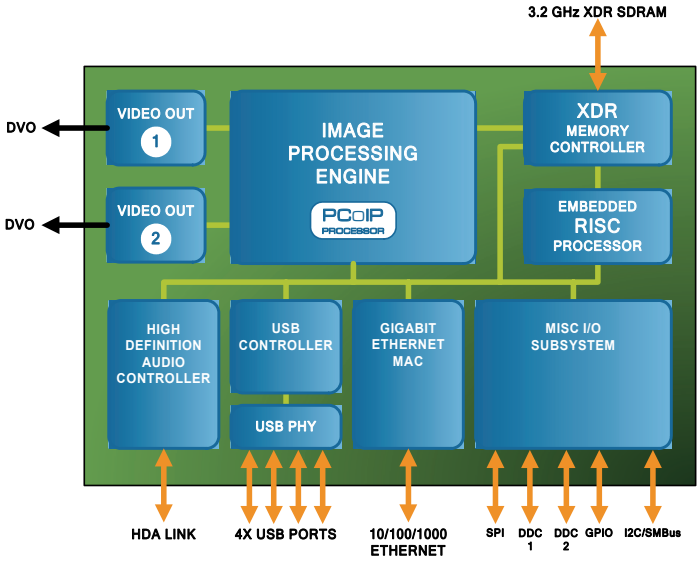

The TERA1100 PC-over-IP (PCoIP) Desktop Portal Engine resides inside a small, simple, stateless access device under any usage scenario. Input comes from the enterprise network via a standard Ethernet connector. Output is driven by a DVI port for video and USB 1.1 ports for peripheral and I/O connections. The net result is a low cost, fan-less, reliable portal-side module that requires minimal IT administration and support since all processing resides on the host PC or workstation.

TERADICI CORPORATION

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Detailed Feature List

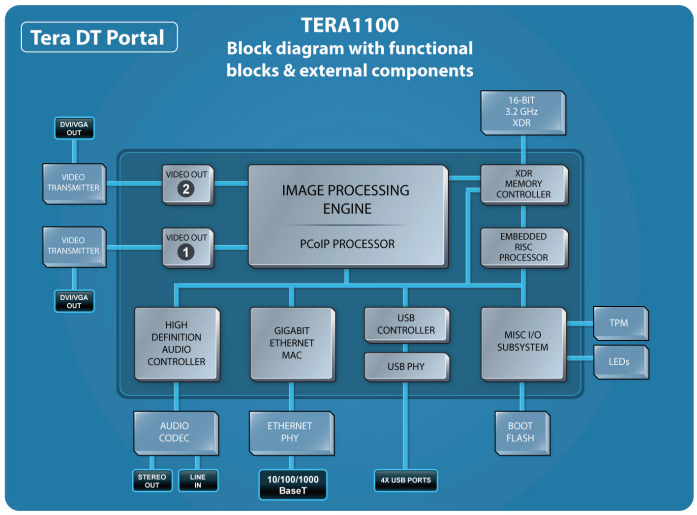
- **Display Data Output:**
  - Two independent displays
  - Parallel pixel data output
  - Display Data Channel (DDC)
  - 24-bit pixel depth
  - Video signal frequency from 25 to 165 MHz
- **10/100/1000 Ethernet Media Access Controller:**
  - Dedicated for PCoIP traffic
  - Auto-negotiation of link speed and duplex mode
  - Wake On LAN
  - 802.1Q VLAN tagging supports segregating PCoIP traffic to a separate logical network
- **Audio:**
  - High Definition Audio serial link
- **USB:**
  - Four USB ports
  - USB 1.1 OHCI controller
  - USB device authorization
- **Desktop Portal Peripheral Management:**
  - GPIO, SMBus 2.0
- **Memory:**
  - 16-bit 3.2GHz XDR SDRAM
  - Firmware Hub Boot PROM
- **Security:**
  - All Host-Portal communication encrypted with 128bit AES
  - Management communication protected by SSL
- **Mechanical:**
  - 0.13 micron CMOS
  - 600-ball HSBGA
  - 0°C – 70°C ambient temperature

Key Benefits of PCoIP

- **High-resolution, perception-free DVI video and I/O support allows PC or workstation relocation to the datacenter or computer room without compromising end-user experience or productivity.**
- **Rich, desktop-like remote GUI supports all image content including graphics, video, and Vista Aero Glass.**
- **Transparent USB & high definition audio allows bridging with standard controllers.**
- **No regular IT desktop support required.**
- **No threat of virus or intrusion.**
- **Management and media communication protected by secure SSL and IPSec.**
- **Runs any operating system and application without modification or additional host drivers.**
- **Disable or restrict unauthorized USB devices based on device type or user profile.**
- **Wide range of applications from robust personal workstations to simple kiosks.**
- **Highly cost effective PC or workstation integration.**
- **Performs on existing 10/100/1000 BaseT networks.**

TERA Desktop Portal

The following diagram fillustrates a TERA Desktop Portal device that supports two monitors.



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