

**Xtreme PC LX D8941S:**

**Integrated Smart Card Reader**

Chip PC Linux-based Thinx OS

The **Xtreme PC LX D8941S** innovative platform offers the Marvell-based LX D platform with an integrated PC/SC smart card reader enabling PKI-authentication. This signals a push towards stronger client security by requiring the insertion of a PKI Smart Card and authentication in front of the server. **Xtreme PC LX D8941S** features strong performance and support of latest Citrix and VMware technology in a small footprint device.



The combination of ultra-green platform with very low power consumption, state of the art high-reliability hardware design and unparalleled management software position it as the ultimate choice for enterprise users.

**Highlights at a Glance**

**Fully Managed from Remote**

*Fully managed by Xcalibur Global management suite in any environment (LAN, WAN, Remote Site)*

- **Deployment:** Effortless 'out of the box' deployment. Once connected to the network settings are applied seamlessly
- **Configuration:** 100% of the firmware settings can be set by Policies to be applied on multiple devices from remote locations using existing AD structure
- **Monitoring:** Sends real time information to the Xcalibur Global management suite and can be shadowed by VNC to offer real time interaction and help desk support
- **Ease of use:** No need to clone & redeploy multiple firmware master copies, no scripts or configuration files

**Green Devices**

- Excellent power/performance ratio, only 4-6W power
- Designed for >10 years life cycle

**Secure**

- **Integrated Smart Card and Device logon:** Active Directory user credentials can be set for device access – just like a regular PC. Session logon via inserting PC/SC Smart Card
- **Physical security:** Kensington lock slot
- **Peripheral security:** Remotely restrict USB peripheral usage
- **Network security:** Support 802.1x for wired LAN and Wi Fi
- **Code security:** Virus-immune, no patches or Antivirus required

**Easy to Update**

- **Software add-ons:** Install add-ons (ICA/RDP/ VMware View/Browser and more) independently without upgrading the entire Operating System
- **Safe to update:** the option to separately install add-ons is more stable and consumes less network bandwidth

**Citrix Environments:**



- » Full Support for Citrix® HDX
- » Support, Citrix XenApp and XenDesktop environments
- » Remotely configurable ICA Connections, Citrix® PNAgent & Web Interface settings
- » Boot into Kiosk Mode with auto-launch Citrix Connection upon device start up
- » Outstanding, PC-like in-session performance
- » Single Sign On (SSO) with Device Logon credentials Pass-through into the Citrix session.
- » ICA Client version can be updated from remote

**Microsoft RDS:**



- » Support Microsoft Windows Terminal Server 2003 / 2008
- » Remotely configurable RDP Connections
- » Rdesktop 1.7 optimized for Terminal Server 2008R2
- » Boot into Kiosk Mode with auto-launch RDP Connection upon device start up
- » Outstanding, PC-like in-session performance
- » Single Sign On (SSO) with Device Logon credentials Pass-through into the RDP session.
- » RDP Client version can be updated from remote

**VMware View:**

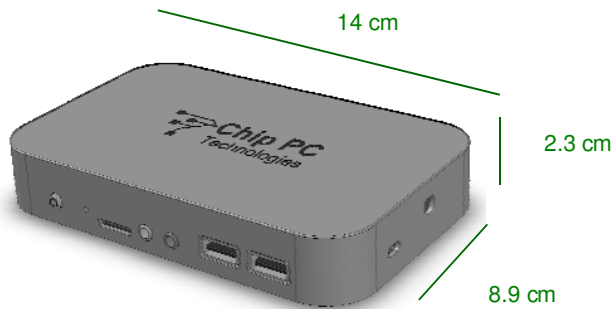


- » Support VMware View environments
- » Remotely configurable VMware View™ server settings
- » Connect to VMs using Rdesktop 1.7
- » SSL Tunneling support
- » Boot into Kiosk Mode with auto-launch RDP Connection upon device start up
- » Single Sign On (SSO) with Device Logon credentials Pass-through into the RDP session.
- » VMware View Client version can be updated from remote

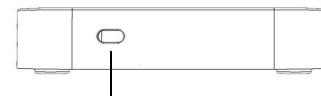
**Product Specifications Xtreme PC LX8941S**

Processor	<ul style="list-style-type: none"> <li>Marvell Dove, Armada 510 933MHZ</li> </ul>
Memory	<ul style="list-style-type: none"> <li>1GB, DDR3 @ 933MHz</li> </ul>
Mass Storage	<ul style="list-style-type: none"> <li>2GB, High reliability eMMC NAND flash</li> <li>Optional externally accessed MicroSD slot</li> </ul>
Smart Card Support	<ul style="list-style-type: none"> <li>Integrated PC/SC Smart Card Reader/Writer</li> </ul>
Smart Card Access	<ul style="list-style-type: none"> <li>A User cannot use the client unless a Smart Card is inserted and the proper PIN code is provided. Removal of the card will lock the device.</li> </ul>
Display Support	<ul style="list-style-type: none"> <li>One DVI-I port</li> <li>Optional DVI-I to DVI-D plus VGA-monitor splitter cable (sold separately)</li> <li>Optional DVI-I Port to VGA (DB-15) adapter (sold separately)</li> <li>Display Data Control (DDC) for automatic setting of resolution and refresh rate</li> </ul>
Resolutions	<ul style="list-style-type: none"> <li>Single: Up to 1920x1200 Pixels @ true color (32 bit)</li> <li>Dual: Up to 1920x1080 Pixels @ true color (24 bit)</li> </ul>
Video Player	<ul style="list-style-type: none"> <li>Various video codecs, including DivX HD, H.264 (MPEG4), WMV9/VC1</li> <li>Up to 1080p local browser Flash support</li> </ul>
Audio Support	<ul style="list-style-type: none"> <li>High Definition Audio Codec</li> <li>Stereo Audio Output – 3.5 mm (1/8 inch) Audio-Out Jack; 16-bit Stereo, 96KHz sample rate</li> <li>Microphone Input – 3.5 mm (1/8 inch), 8 bit</li> <li>Software volume / mute control</li> </ul>
Input / Output ports	<ul style="list-style-type: none"> <li>6 x USB 2.0 ports (2 front, 4 back)</li> </ul>
Operating System	<ul style="list-style-type: none"> <li>Chip PC ThinX (Linux-based kernel)</li> </ul>
Firmware	<ul style="list-style-type: none"> <li>ICA 12.1 with full Citrix® HDX support for Linux</li> <li>RDP (RDesktop 1.7)</li> <li>Web Browsers: Firefox or Google Chrome</li> <li>Flash 10 Player</li> <li>VNC remote shadowing</li> <li>Local Media Player (Totem)</li> <li>X-Windows 7.2 server</li> <li>VDM plug-in – VMView 4.5 for open source</li> <li>User Scripts plug-in</li> <li>PDF Viewer</li> <li>Customized System Screen to reflect corporate logo</li> <li>Terminal Emulation</li> <li>SIP phone plug-in</li> <li>JVM and Java plug-in for browser</li> </ul>
Network	<ul style="list-style-type: none"> <li>RJ-45 jack 10/100/1000 Base-T Ethernet LAN with Auto-negotiate TCP/IP with DNS and DHCP</li> </ul>
Security	<ul style="list-style-type: none"> <li>Kensington lock slot</li> </ul>
Power	<ul style="list-style-type: none"> <li>Device input: 12VDC</li> <li>Idle power consumption 2W, Operating power consumption: 4-6W</li> <li>Wall-mount power supply input: Worldwide auto-sensing 100-240VAC, 50/60 Hz, 12V/1.5A (included)</li> </ul>

Product Specifications <i>Xtreme PC LX D8941S</i>	
Physical Characteristics	<ul style="list-style-type: none"> <li>• Dimensions: 8.9(W)x14(D)x2.3 (H) cm/3.5(W )x6.22(D)x0.92(H) inch</li> <li>• Device weight: 180 gr. (6 oz.)</li> <li>• Shipping Weight: 0.65 Kg. (1.43 lbs.)</li> </ul>
Environmental	<ul style="list-style-type: none"> <li>• Temperature range: Operating - 32°F to 104°F (0°C to 40°C)</li> <li>• Storage: -46°F to 163°F (-20°C to 70°C)</li> <li>• Humidity: Operating - 20 to 80% non condensing; Storage - 0 to 90% non condensing</li> <li>• Altitude: 0 to 42,000 ft</li> </ul>
Regulatory Compliance	<ul style="list-style-type: none"> <li>• Safety: EN/IEC60950-1</li> <li>• EMI/EMC: FCC Class B, CE Mark, EN61000-6-3, EN61000-6-1, VCCI</li> <li>• Environmental: WEEE, RoHS Compliant</li> </ul>
Optional Accessories to be purchased separately	<ul style="list-style-type: none"> <li>• Kensington lock with 3ft cable Visit <a href="http://www.chippc.com">www.chippc.com</a> for an updated list</li> </ul>
Enclosure Color	Black
Warranty	<ul style="list-style-type: none"> <li>• 1 year automatic Warranty, additional 2 years pending on product registration</li> <li>• Extended Warranty for years 4 &amp; 5, optional, to be obtained during first year after purchase</li> </ul>



**Overview with sizes**



Kensington Lock slot

**Side view**



Power | SFP | 4XUSB | DVI-I

**Back view**



ON/OFF | Reset | uSD Card (optional) | Audio In/Out | 2 X USB

**Front view**

- Monitor, keyboard and mouse - to be purchased separately
- Xcalibur Global & Plugin licenses - to be purchased separately
- Above features are supported in latest firmware image version released
- Actual display support is dependent on display hardware and cable quality; some of the resolutions and display modes described above may not be supported by certain displays or cables
- Specifications are subjected to change without prior notice

## The Company

Since its inception, Chip PC has been a world leader in server-centric-computing. A private company with branches in Europe and the U.S., Chip PC develops and manufactures, top notch, smart, zero and thin client technology and management systems.

Chip PC's team of dedicated researchers and developers have combined their years of experience to yield novel ideas and deliver an outstandingly innovative family of zero and thin client products.

With the award winning Xcalibur Global management system and innovative zero and thin client units, Chip PC maintains a leading market position with its end-to-end solution.



## The End-to-End Solution

Chip PC is aimed at solving the thorny problem of combining intelligent zero and thin client networking with sophisticated management and control. Chip PC's unique solution constructs a ground-up zero and thin client network from the revolutionary Jack PC that fits into a standard wall jack, through the LX D and HD PC Series', state-of-the art, powerful, desktop units and miniature Plug PCs.

These server-centric, revolutionarily designed units for the Cloud are comprehensively managed by Chip PC's Xcalibur Global. The Xcalibur Global Management System simulates an Active Directory environment with intelligent usage of its management principles of policies and tools and offers flexible management that applies down to the specific needs of every particular client unit or user.



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