

Xtreme PC LX D8541FD: High Security, Modular, SFP-Enabled Thin Client

Xtreme PC LX D8541FD revolutionary SFP-Enabled thin client provides you with the flexibility and modularity to connect Chip PC Technologies' high-end, powerful thin client to any network infrastructure available in your organization, including Fiber Optic and Copper networks.

Xtreme PC LX D8541FD was specifically developed to address the needs for high-security thin desktops for defense and law-enforcement organizations and built for high-security applications that require low-emanations and secured protocols as standard.

Featuring support for any 100Base/1000Base SFP module, **Xtreme PC LX D8541FD** smoothly operates with either fiber optic or CAT5 LAN copper networks and is more secured and capable than most desktop PCs. 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

- **Device logon:** Active Directory user credentials can be set for device access – just like a regular PC. Session logon: PC/SC Smart Card support (external reader)
- **Physical security:** Kensington lock slot
- **Network security:** Support 802.1x for wired LAN
- **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:



Microsoft

- » 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

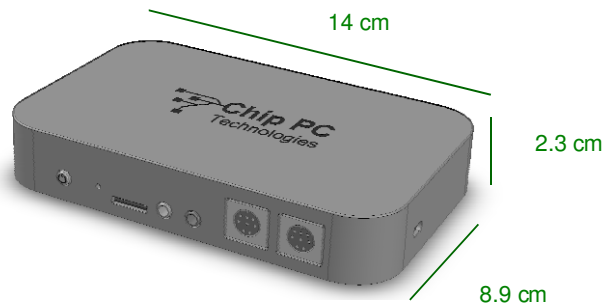
VMware View:



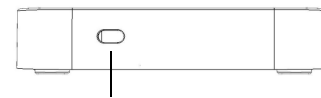
- » Support VMware View environments
- » Remotely configurable VMware View™ server settings
- » Connect to VMs using Rdesktop 1.7
- » SSL Tunnelling support
- » Boot into Kiosk Mode with auto-launch RDP Connection upon device start up
- » Single Sign On (SSO) with Device Logon credentials Pass-through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

Product Specifications <i>Xtreme PC LX-D8541FD</i>	
Processor	<ul style="list-style-type: none"> Marvell Dove, Armada 510 800MHZ
Memory	<ul style="list-style-type: none"> 1GB, DDR3 @ 800MHz
Mass Storage	<ul style="list-style-type: none"> 2GB, High reliability eMMC NAND flash Optional externally accessed MicroSD slot
Display Support	<ul style="list-style-type: none"> One DVI-I port Optional DVI-I to DVI-D plus VGA-monitor splitter cable (sold separately) Optional DVI-I Port to VGA (DB-15) adapter (sold separately) Display Data Control (DDC) for automatic setting of resolution and refresh rate
Resolutions	<ul style="list-style-type: none"> Single: Up to 1920x1200 Pixels @ true color (32 bit) Dual: Up to 1920x1080 Pixels @ true color (24 bit)
Video Player	<ul style="list-style-type: none"> Various video codecs, including DivX HD, H.264 (MPEG4), WMV9/VC1 Up to 1080p local browser Flash support
Audio Support	<ul style="list-style-type: none"> High Definition Audio Codec Stereo Audio Output – 3.5 mm (1/8 inch) Audio-Out Jack; 16-bit Stereo, 96KHz sample rate Microphone Input – 3.5 mm (1/8 inch), 8 bit Software volume / mute control
Input / Output ports	<ul style="list-style-type: none"> 2 x PS/2 (Keyboard + Mouse Ports)
Operating System	<ul style="list-style-type: none"> Chip PC ThinX (Linux-based kernel)
Firmware	<ul style="list-style-type: none"> ICA 12.1 with full Citrix® HDX support for Linux RDP (RDesktop 1.7) Web Browsers: Firefox or Google Chrome Flash 10 Player VNC remote shadowing Local Media Player (Totem) X-Windows 7.2 server VDM plug-in – VMView 4.5 for open source User Scripts plug-in PDF Viewer Customized System Screen to reflect corporate logo Terminal Emulation SIP phone plug-in JVM and Java plug-in for browser
Network	<ul style="list-style-type: none"> 100BaseFX or 1000BaseXX (1000Base-SX, 1000Base-LX, etc), IEEE 802.3 ; Km distance dependent on SFP Module type (2km for 100Base-FX; 10 km for 1000Base-LX, etc) Wave length dependent on SFP Module type, multimode or single mode fibres Transceivers meet MIL-STD-883C Method 3015.4 Class 2 products 1000Base-T (CAT5 cable) Other SFP modules supported (optional)
Security	<ul style="list-style-type: none"> Kensington lock slot
Power	<ul style="list-style-type: none"> Device input: 12VDC Idle power consumption 2W, Operating power consumption: 4-6W Wall-mount power supply input: Worldwide auto-sensing 100-240VAC, 50/60 Hz, 12V/1.5A (included)

Product Specifications Xtreme PC LX D-8541FD	
Physical Characteristics	<ul style="list-style-type: none"> • Dimensions: 8.9(W)x14(D)x2.3 (H) cm/3.5(W)x6.22(D)x0.92(H) inch • Device weight: 180 gr. (6 oz.) • Shipping Weight: 0.65 Kg. (1.43 lbs.)
Environmental	<ul style="list-style-type: none"> • Temperature range: Operating - 32°F to 104°F (0°C to 40°C) • Storage: -46°F to 163°F (-20°C to 70°C) • Humidity: Operating - 20 to 80% non condensing; Storage - 0 to 90% non condensing • Altitude: 0 to 42,000 ft
Regulatory Compliance	<ul style="list-style-type: none"> • Safety: EN/IEC60950-1 • EMI/EMC: FCC Class B, CE Mark, EN61000-6-3, EN61000-6-1, VCCI • Environmental: WEEE, RoHS Compliant
Optional Accessories to be purchased separately	<ul style="list-style-type: none"> • Kensington lock with 3ft cable Visit www.chippc.com for an updated list
Enclosure Color	Black
Warranty	<ul style="list-style-type: none"> • 1 year automatic Warranty, additional 2 years pending on product registration • Extended Warranty for years 4 & 5, optional, to be obtained during first year after purchase



Overview with sizes



Kensington Lock slot

Side view



Power SFP DVI-I

Back view



ON/OFF Reset uSD Card (optional) Audio In/Out PS/2

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, zero and thin client technology and management systems.



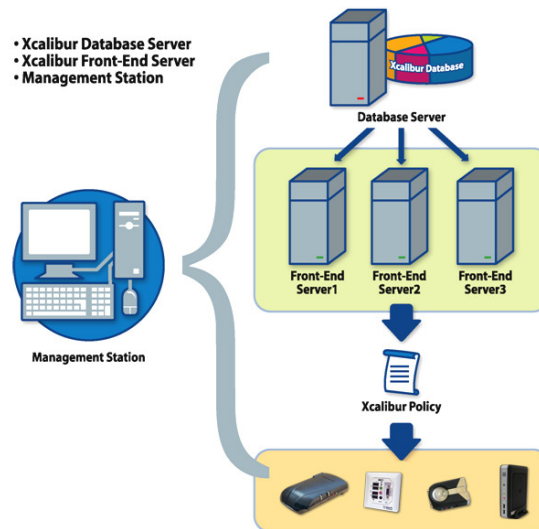
Chip PC's team of dedicated researchers and developers have combined their years of experience to yield novel ideas and deliver an outstandingly innovative family of zero and thin client products.

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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