Xtreme PC LXN 2321F:
High Security, Modular, SFP-Enabled Thin Client!

Chip PC 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.

The **Xtreme PC LXN2321F** 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 LXN2321F** smoothly operates with either fiber optic or CAT5 LAN copper networks and is more secured and capable than most desktop PCs.

Xtreme PC LXN 2321F high performance thin client/virtual desktop is the perfect desktop for users that require high-end functionality; Supporting DVI-D and VGA video connectivity it offers high resolutions, best-picture quality and user convenience.

Chip PC's **Xtreme PC LXN 2321F** draws as low as 3 watts of power at maximum load featuring on-board multimedia acceleration; With its design centered on ease-of-use it provides seamless integration into desktop virtualization and server-based computing environments.

Chip PC innovative Linux-based OS and onboard multimedia acceleration offer the cost-effectiveness and security advantages of ultra thin devices, while providing performance, video and flexibility advantages offered by high-end, high-cost Full Linux, XPe devices.

Xtreme PC LXN 2321F unparalleled in-session performance eliminates the need for streaming and runs in-session heavy applications such as AutoCAD. In addition, it offers integrated Video-over-ICA and Video-over-RDP capabilities, where the in-session video is redirected to be run locally. Such redirection contributes greatly to highest video performance levels.

Supported by the industry-leading management and monitoring solution from Chip PC – the Xcalibur Global, **Xtreme PC LXN 2321F** offers management of Linux-based devices in a Microsoft Policy-based, and Active Directory environment. Xcalibur Global provides complete, centralized management and monitoring of thousands of devices from the data center; It offers ultimate manageability, monitoring and scalability from small, medium install bases to the richest, largest, most complex server-based and virtual desktop environments.

The **Xtreme PC LXN 2321F** offers a powerful desktop unit supporting heavy in-session applications and providing full function multimedia video performance in a 3 watt ultra green platform. The combination of very low power consumption, state of the art hardware design and unparalleled management software position it as the ultimate desktop of choice for enterprises and organizations around the world.

Highlights at a Glance:

- **High-security thin desktop** designed and built for high-security applications that require low-emanations and secured protocols as standard

- **Modular SFP-Enabled Network Interface** Supporting any network interface, both fiber-optic and copper

In-Session Performance:

- Outstanding In-session Performance, including video and sound
- Ability to run heavy graphical applications in session (AutoCAD, Solid works, medical apps, and more)

Powerful Multimedia Capabilities:

- Highest, demonstrated local video performance
- Powerful Linux MPlayer supporting a wide range of video formats
- High-performance Video-over-ICA
- High-performance Video-over-RDP

Flexible, Linux-based OS:

- Cost-effectiveness and security advantages of ultra thin devices
- Performance, video and flexibility advantages of high-end, high-cost Full Linux/XPe devices
- Data integrity & security, virus-immune, no security patches required

Value-Added Management:

- Fully managed via Policy-based, value-added Xcalibur Global management suite
- Allows login to Active Directory domain from Linux-based devices
- Manage devices in any environment (LAN, WAN, Remote site)

Green Device:

- Lowest power consumption, only 3W power
- Best power/performance ratio
- Smallest form-factor assures minimum carbon footprint and maximum recycling potential
- Power by monitor option with Chip PC USB power cable

Xtreme PC LXN 2321F with Fiber Optic Network Interface

Xtreme PC LXN 2321F with CAT 5 Network Interface

Important Note: SFP module to be purchased separately from Chip PC or third party vendors

Product Specifications Xtreme PC LXN 2321F	
CPU	• RMI Au 1250, 528 MHz RISC
Memory	• 256 MB DDR2
Mass Storage	• 256 MB Disk-On-Chip with FFS • 10 years data retention
Display Support	• Digital video DVI-D connector • VGA –type video (DB-15)
Resolutions	• Up to 1920x1200 Pixels @ 64k (16 bit)
Video Player	• DivX HD CODEC (hardware accelerated) • MPEG4 (hardware accelerated)
Audio Support	• Stereo Audio Output - 3 mm (1/8 inch) Audio-Out Jack; 16-bit Stereo • Microphone Input - 3 mm (1/8 inch) Audio-In Jack • Software volume / mute control
Input/Output	• 3 x USB 2.0 ports; 1 Serial port
Operating System	• Linux-based kernel
Firmware	• ICA 10 client • RDP (RDesktop 1.6) • MPlayer • X-Windows 7.2 server

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ready

Product Specifications Xtreme PC LXN 2321F	
Network	• 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 fibers • Transceivers meet MIL-STD-883C Method 3015.4 Class 2 products • 1000Base-T (CAT5 cable) • Other SFP modules supported (optional)
Warranty	• 1 year automatic Warranty, additional 2 years pending on product registration http://www.chippc.com/support/
Power	• Device input: 5V DC 2A max. • Normal power consumption:3W • Power consumption (sleep mode): 0.35W • Wall-mount power supply input: Universal 90 – 240V AC 50-60 Hz input (included) • Optional USB power (no AC/DC is required)
Physical Characteristics	• Dimensions: 8(W)x15.8(D)x3.4(H) cm / 3.15(W)x6.22(D)x1.34(H) inch • Device weight: 180 gr. (6 oz.) • Shipping Weight: 0.65 Kg. (1.43 lbs.)
Environmental	• Temperature range: Operating - 32ºF to 104ºF (0ºC to 40ºC) • Storage: -46ºF to 163ºF (-20ºC to 70ºC) • Humidity: Operating - 20 to 80% non condensing; Storage - 0 to 90% non condensing
Regulatory Compliance	• Safety: UL 1950, cUL, EN/IEC60950-1 • EMI/EMC: FCC Class B, CE Mark, EN61000-6-3, EN61000-6-1, VCCI • EPA ENERGY STAR
Optional Software Plug-Ins (for an additional cost)	• Visit www.chippc.com to download /purchase
Optional Accessories (for an additional cost)	• Visit www.chippc.com for an updated list
Enclosure Color	• Midnight Gray and Silver

- ▪ 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

Chip PC

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The Company

Since its inception, Chip PC has been a world leader in server-centric-computing. A public company with branches in Europe and the U.S., Chip PC develops and manufactures, top notch, thin client technology and management systems.
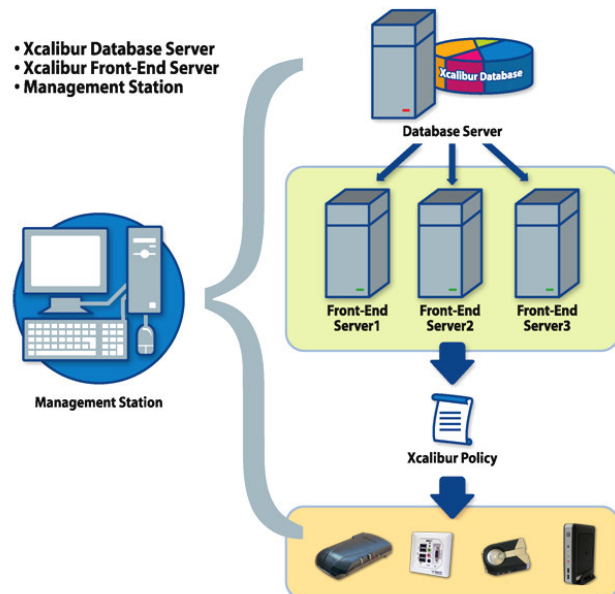
Chip PC's team of dedicated researchers and developers have combined their years of experience to yield novel ideas and deliver an outstandingly innovative family of thin client products.

With the award winning Xcalibur Global management system and innovative 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 thin client networking with sophisticated management and control. Chip PC's unique solution constructs a ground-up thin client network from the revolutionary Jack PC that fits into a standard wall jack, miniature Plug PC, the NG Series', state-of-the art, powerful, desktop units and powerful EX PC.

These server-centric, revolutionarily designed, units 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.