

FUTRO A Series **Small and reliable thin client** **for large projects**

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Why take a fully featured PC for server based computing, when you can have everything you need in a reliable small form factor thin client?

The FUTRO A is ideally suited for Windows Terminal Server computing. The server executes the applications, the screen is displayed on the client. Your data is saved secure on the server and is therefore protected against loss. Also the operating system is stored secure on a flash memory and safe from unauthorized changes due to a write protected file system. Smart administration tools help to update the client easily.

Space saving design, no fan and rotating drives turn the FUTRO A into the ideal thin client for your project and into a minimizer of Total Cost of Ownership.

Accessibility

- Windows CE.net operating system with ICA / RDP protocol and terminal emulations
- TCP/IP network integration with DNS and DHCP support
- 10/100 Mbit/s Ethernet LAN controller with PXE bootcode on board
- Internet Explorer for direct internet connection
- Support of extended memory with MEMORYBIRD, external USB floppy drive and a wide range of Fujitsu Siemens Computers' keyboards

Reliability

- Cost-optimized and trusted solution for displaying and running Windows applications
- Approved by Microsoft Terminal Server and Citrix MetaFrame XP 1.8 / Presentation Server 3.0
- Highest quality design and function stability

Manageability

- Simple network administration: programs and data are on the server
- Cost-effective remote administration via SNMP and DHCP standard protocols



Operating system and software

Windows CE.net Microsoft Operating System CE.net V4.2
Target group From Small Enterprises to Large Accounts without use of local applications
Local functions <ul style="list-style-type: none">■ ICA-Client V 8.07■ RDP-Client V 5.1■ Internet Explorer V 6.0■ Media Player V9 series■ VNC Viewer■ VPN Client■ ThinPrint Client V5.5■ Terminal emulation PowerTerm V6.3.5 (ANSI, VT320/420, IBM 3270/5250)
Security <ul style="list-style-type: none">■ Control Panel Password■ Control Connection Configuration■ Control Default Reset
SmartCard Support <ul style="list-style-type: none">■ Driver Support for USB SmartCard Reader SCR335 from SCMMICRO
Hardware Support <ul style="list-style-type: none">■ USB FSC Memorybird V2.0 Rev. 2■ PS/2 or USB Keyboard■ PS/2 or USB Mouse

System		Audio	
Processor	SiS 550, 200 MHz	On board	
System memory (MB)	64	Output: full 16-bit stereo sound, AC'97 codec	
Flash memory (MB)	32	Electrical values (external AC/DC power supply)	
Interfaces		Rated voltage (AC input)	100 - 240 V
1 x parallel (25-pin, with EPP and ECP) for printing via ICA protocol (local and / or over network)		Rated frequency	50/60 Hz
1 x keyboard (PS/2) (rear)		DC output	5V, 3A, 15W
1 x mouse (PS/2) (rear)		Power consumption for standard configuration (AC input)	
1 x monitor (15-pin, VGA)		Peak (running application)	13.7W
1 x LAN RJ-45		Average (running OS, Idle mode)	9.0W
1 x audio out 1/8-inch mini		Minimum (ACPI status S5, soft-off)	2.3W
2 x Universal Serial Bus (USB 1.1) in front		Temperature / dimensions / weight	
Display modes		Ambient temperature	15°C – 35°C (IEC721)
VESA monitor support with DDC for automatic setting of resolution and refresh rate		Dimensions (H x W x D)	195x152x43
Video RAM 8 MB	discrete graphics memory	Weight	0.6 kg
Resolution selectable		Compliance with standards	
32/24/16/8 bit colors	1280 x 1024 / max 75 Hz only LCD	Product safety	IEC60950, EN60950, UL60950, CAN/CSA-C22.2 No.60950-00
32/24/16/8 bit colors	1024 x 768 / max 75 Hz	Electromagnetic Compatibility	EN55022 class B, EN55024 EN61000-3-2/-3, FCC class B, ICES-003
32/24/16/8 bit colors	800 x 600 / max 75 Hz	CE-Certification	according to EC Directive 89/336/EEC 73/23/EEC
32/24/16/8 bit colors	640 x 480 / max 75 Hz	Security functions	
Network		Security functions implemented in the cabinet:	
LAN on board	10/100 Mbit/s Fast Ethernet	- Access protection via external SmartCard reader (optional)	
Connectivity	TP (Twisted Pair), RJ-45	- Write-protect facility for Flash EPROM	
TCP/IP with DNS and DHCP		- Kensington Lock at rear side	
Point-to-Point over Ethernet		Available languages	
Point-to-Point tunneling protocol		English	
Layer-2 tunneling protocol			
Supported Citrix Load Balancing on ICA			
SNMP support allows configuration of terminal settings, reporting of terminal configuration and attached devices, traps			
DHCP support for automatic firmware upgrades and unit configuration			
Multiple master browser support on ICA			
Wake on LAN			
PXE			