

Data Sheet

Fujitsu FUTRO Z220

Thin Client

Preliminary Data Sheet

Versatile Efficiency

Fujitsu's versatile FUTRO Z220 brings a new level of efficiency to highly secure Server-Based Computing and Virtual Desktop Infrastructure environments. The System-on-a-chip based thin client with familiar desktop experience offers a fully managed or an auto-adaptive operating mode. On demand best-in-class manageability with Scout Enterprise or automatic connection to the back-end infrastructure with zero management efforts are available.

Redefined hardware setup

Full system and energy efficiency plus a performance boost in the FUTRO all-round segment. Hardware based acceleration of Citrix® HDX and Microsoft® RFX protocols.

- System-on-a-chip design (SoC) based on ARM architecture

eLux® RT operating system

Familiar eLux® desktop experience

- Adjusted operating system specially designed for ARM architecture

Different operating modes

Find ideal solution fitting perfectly to your infrastructure and company size

- Choose between a fully managed or an auto-adaptive Fujitsu FUTRO Z220

Fully managed Thin Client

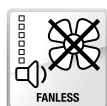
Best-in-class management software for easy and effortless administration

- Management with Scout Enterprise and image customizing with ELIAS

Auto-adaptive Thin Client

Zero installation and management effort plus instant start of work

- Automatic detection and connection to either Citrix®, Microsoft® or VMware® back-end infrastructure



Technical details Components

Interface add on cards/components (optional)

	WLAN Atheros HB116 a/g/n
	Internal speaker

Base unit	FUTRO Z220
-----------	------------

Operating system and software (Linux)

Operating system	eLux® RT – Embedded Linux
Operating system notes	12 months update right included.
Functions	Mozilla Firefox Browser, V10.0 or newer Hardware based protocol acceleration Citrix® HDX Citrix® ICA 12.2.3 or newer Updates and optional software packages are available at www.mylux.com
Manageability	optional: Scout Enterprise, Flash memory management, Embedded operating system update and system monitoring, Managing devices by location, group or user, Individual operating system composition with ELIAS (Scout Enterprise license required)
VPN (Linux)	VPN client (optional)

Mainboard

Mainboard type	D3252-A1
Formfactor	proprietary
System-on-a-Chip	ARM® Cortex™-A8 based DM8148 SoC from Texas Instruments Incorporated (TI)
Storage	2 GB Flash eMMC onboard, software update centrally via Scout Enterprise or locally
Supported capacity RAM (max.)	1 GB
Memory notes	Fixed size of onboard DDR3 main memory
LAN	Built-in 10/100/1000 MBit/s Realtek RTL8211E
Audio type	On board
Audio codec	Texas Instruments TLV320AIC3105
Audio features	Stereo audio

Interfaces

DC-in	1
Front audio: headphone	1
Front audio: line-in / microphone	1
USB 2.0 total	4
USB front	2
USB rear	2
USB internal	1 (on mini PCIe connector)
DVI	2 (1x DVI-I and 1x DVI-D; integrated VGA can be used with DVI-VGA adapter)
Ethernet (RJ-45)	1
Kensington Lock support	2

Graphics

TFT resolution (VGA)	up to 1920 x 1200 pixel
TFT resolution (DVI)	up to 1920 x 1200 pixel

Electrical values

Rated voltage range	100 V - 240 V (AC Input)
Rated frequency range	50 Hz - 60 Hz
Operating voltage range	100 V - 240 V (AC Input)
Operating line frequency range	50 Hz - 60 Hz

Power consumption for standard configuration with eLux® RT

Power consumption: Maximum (S0, running appl.)	11 W
Power consumption: Idle (S0, running OS, Idle mode)	10 W (typical configuration)
Power consumption: Minimum (ACPI status S5, soft off, WOL enabled)	0.9 W

Dimensions / Weight / Environmental

Dimensions (W x D x H)	31 x 132 x 148 mm
Dimension with stand (W x D x H)	65 x 154 x 160 mm
Operating position	Vertical
Weight	0,4 kg
Weight notes	Actual weight may vary depending on configuration
Operating ambient temperature	10 - 35°C
Operating relative humidity	5 - 85 % (relative humidity)

Compliance

Product	FUTRO Z220
Model	FZ1-D3252A1
Germany	GS in progress
Europe	CE certification according to EC Directive 2004/108/EEC CB
USA/Canada	CSA ICES-003 Class B CAN/CSA
Global	ENERGY STAR® 5.0 in progress RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment) EPEAT® Silver (dedicated regions) (planned)
Russia	GOST
Compliance notes	Energy Star compliance may vary depending on actual configuration
Compliance link	http://globalsp.ts.fujitsu.com/sites/certificates/default.aspx

Miscellaneous**Security**

Audit proof protection	Write protection for the Flash module
------------------------	---------------------------------------

Warranty

Standard Warranty	2 years (depending on country)
Service level	Bring-in Service (for countries within region FTS CEMEA&I, for all other countries depending on local regulations, minimum: 2 years material warranty)
Warranty Terms & Conditions	http://support.ts.fujitsu.com/warranty
Maintenance and Support Services - the perfect extension	
Recommended Service	5x9, Response Time: Next Business Day
Spare Parts availability	5 years after end of product life
Service Weblink	http://www.fujitsu.com/fts/services/support

More information

Fujitsu OPTIMIZATION Services

In addition to Fujitsu FUTRO Z220, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Fujitsu Portfolio

Build on industry standards, Fujitsu offers a full portfolio of IT hardware and software products, services, solutions and cloud offering, ranging from clients to datacenter solutions and includes the broad stack of Business Solutions, as well as the full stack of Cloud offering. This allows customers to leverage from alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

Computing Products

www.fujitsu.com/global/services/computing/

Software

www.fujitsu.com/software/

More information

Learn more about Fujitsu FUTRO Z220, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website. www.fujitsu.com/fts/FUTRO

Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment.

Using our global know-how, we aim to contribute to the creation of a sustainable environment for future generations through IT. Please find further information at <http://www.fujitsu.com/global/about/environment/>



Copyrights

All rights reserved, including intellectual property rights. Changes to technical data reserved. Delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner.

For further information see www.fujitsu.com/terms

Copyright © Fujitsu Technology Solutions

Disclaimer

Technical data are subject to modification and delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner.

Contact

FUJITSU Technology Solutions
Website: www.fujitsu.com/fts
2012-12-20 CE-EN

All rights reserved, including intellectual property rights. Changes to technical data reserved. Delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner. For further information see www.fujitsu.com/terms
Copyright © Fujitsu Technology Solutions