FUJITSU

Data Sheet
Fujitsu FUTRO Z220
Thin Client

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

eLux® RT operating system
Familiar eLux® desktop experience
- Ideal 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
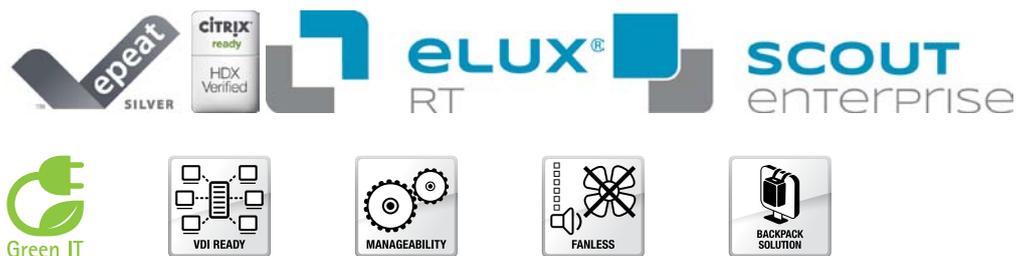
Fully managed Thin Client
Best-in-class management software for easy and effortless administration
- Management with Scout Enterprise and image customizing with ELIAS

Auto-adaptive Thin Client
Zero installation and management effort plus instant start of work
- Automatic detection and connection to Citrix® or Microsoft® back-end infrastructures

Technical details Components

Interface add on cards/components (optional)

	WLAN Atheros HB116 a/g/n (integration in progress)
	Internal speaker

Base unit	FUTRO Z220

Operating system and software (Linux)

Operating system	eLux® RT – Embedded Linux
Operating system notes	eLux® RT license is built-in and non-transferable. 12 months update right is included.
Functions	Mozilla Firefox Browser, V10.0 or newer
	Hardware based protocol acceleration
	Citrix® HDX / Citrix ICA
	Citrix® Receiver 12.2.3 or newer
	Microsoft® RDP
	FreeRDP V1.0.2 or newer
	Updates and optional software packages are available at www.myelux.com
Manageability	optional: Scout Enterprise for 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), eLux® RT requires Scout Enterprise V13 or higher
VPN (Linux)	VPN client (integration in progress)

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 codec
Audio codec	Texas Instruments TLV320AIC3105
Audio features	Stereo audio
Audio notes	Loudspeaker (optional)

Interfaces

	FUTRO Z220
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.)	10 W
Power consumption: Idle (S0, running OS, Idle mode)	8.5 W (typical configuration)
Power consumption: Minimum (ACPI status S5, soft off, WOL enabled)	0.6 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 ℃
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 RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment) EPEAT® Silver (dedicated regions)
Russia	GOST
Compliance notes	Energy Star compliance may vary depending on actual configuration
Compliance link	http://globalsp.ts.fujitsu.com/sites/certificates

Security

System and BIOS Security	Write protection for the Flash module

Warranty

Standard Warranty	2 years (depending on country)
Service level	Bring-In / Onsite 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	9x5, Response Time: Next Business Day
Spare Parts availability	5 years after end of product life
Service Weblink	http://www.fujitsu.com/fts/services/support

Recommended Accessories

Longshine Switch	The 16-Port 10/100/1000 Mbps Gigabit Longshine switch provides you a real Gigabit connection. Users are able to transfer large files with high bandwidth requirements faster while administrators experience a real efficiency improvement. The fanless Longshine switch is energy efficient, easy to install and fully compliant with all kinds of network protocols.	Order Code: S26391-F6055-L416

VESA Mounting Adapter FUTRO Z220		The Fujitsu VESA Mounting Adapter for FUTRO Z220 frees up valuable desk-space by mounting your thin client on the stand of a display in just seconds. You can either fasten your FUTRO Z220 on a VESA compatible display using the Mounting Adapter, or secure it with the included mounting strap for standard displays.	Order Code: S26361-F1051-L10
Display B22W-6 LED proGREEN		The B22W-6 LED proGREEN offers best ergonomics and usability for intensive office use with a 4-in-1 stand.	Order Code: S26361-K1392-V160
Wireless Mouse WI200		The Wireless Mouse WI200 uses the latest wireless 2.4 GHz technology, and a high-resolution 1000 dpi optical sensor to give you the precision and reliability you need. Sporting a compact design with a stylish black finish, the WI200 wireless mouse is well suited to all environments and to each user whether right or left handed.	Order Code: S26381-K462-L100
			Order Code: BDL:TOP-MOUSE-GL9
Blue LED Mouse GL9000		Blue LED Mouse GL9000 comes in a slim design with proven Fujitsu engineering quality. The state-of-the-art blue LED sensor enables ultra precise switchable resolution at 1,000, 1,500 and 2,000 dpi. Blue LED Mouse GL9000 makes your life easier because it's tailor-made for right handed users. It just feels great in your hand.	Order Code: S26381-K438-L100
Keyboard KB900		The KB900 is a very flat keyboard with extra low keys and spill-resistant protection. The elegant design and top-quality construction makes the KB900 the ideal input device for any PC or Notebook user. If you accidently spill some water or coffee onto the keyboard, this special construction helps the liquid to flow away.	S26381-K560-L4** (**: Country specific variation)
Wireless Keyboard Set LX900		The Wireless Keyboard LX900 is a top of the line desktop solution for lifestyle orientated customers, who want only the best for their desk. This superb keyboard set with offers ambitious users more functions, security and better features than a conventional interface device. It even includes 2.4 GHz technology and 128 AES encryption for security.	S26381-K564-L4** (**: Country specific variation)

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/

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