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Data Sheet
FUJITSU Desktop ESPRIMO K5010/24

Ready to use in the blink of an eye

The FUJITSU ESPRIMO K5010/24 All-in-One Desktop PC supports the budget-driven, modern workplace: streamlined workspace, reduced complexity, with no compromise in performance. This all-rounder comes with the 10th Gen Intel® Core™ processors and the latest interfaces in a compact, all-in-one design. For ergonomic comfort, it features a 60.5 cm (23.8-inch) anti-glare, three side frameless display, wide viewing angles, height adjustment and front I/Os.





Excellent Performance and Energy Efficiency
Best-in-class regarding low power consumption combined with new levels of performance
- 10th Gen Intel® Core™ processor family, fast NVMe M2. drive and 2.5" drive and a power supply with high efficiency

Human-Centric Setup
Tidy and convenient desk with ergonomic working position to help enhance working experience and efficiency
- 60.5 cm (23.8-inch) anti-glare Full HD display with 3 sides' frameless display with wide viewing angles, silent PC, easy access to front I/Os including brightness control; wall mount via VESA Standard

Ultimate usability and ergonomic comfort
Height adjustable stand for fulfilling ergonomic requirement in new office environment
- Easy to access and flexible interfaces, microphone and camera option for instant office communication and anytime USB charge functionality in front which supports up to 15W power supply
- Flexible height adjustment, screen with a large swivel range (340 degree) and tilt (0-20°), front audio and USB for easy access and space saving on the sides

Manageability and Ease of Use
"'Plug & work" PC that ensures smooth system administration
- Easy to integrate into existing IT landscapes and reliable DeskView manageability tools

Security to satisfy enterprise needs
Designed to protect data and hardware components against manipulation and theft
- Webcam hidden behind display, latest Trusted Platform Module (TPM) controller,
- Fujitsu Authconductor software, full disk encryption and system-level passwords, SmartCard reader and EraseDisk

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Components

Operating systems	
Operating system pre-installed	Windows 10 Pro. Fujitsu recommends Windows 10 Pro for business. Windows 10 Home
Operating system notes	Windows 10 Support: After the end of the product life FUJITSU will continue to test and support all upcoming Window 10 releases for a period of maximum 5 years – depending on the available extension of hardware services through FUJITSU Warranty top ups. For details please see "FUJITSU Service Statement for Windows 10 Semi-Annual-Channel Support" at http://support.ts.fujitsu.com.
Processor	Intel® Core™ i7-10700T processor (8 Cores / 16 Threads, 2.00 GHz, 16 MB, Intel® UHD Graphics 630) **
	Intel® Core™ i5-10600 processor (6 Cores / 12 Threads, 3.30 GHz, 12 MB, Intel® UHD Graphics 630) *
	Intel® Core™ i5-10500 processor (6 Cores / 12 Threads, 3.10 GHz, 12 MB, Intel® UHD Graphics 630) *
	Intel® Core™ i5-10400 processor (6 Cores / 12 Threads, 2.90 GHz, 12 MB, Intel® UHD Graphics 630) *
	Intel® Core™ i3-10100 processor (4 Cores / 8 Threads, 3.60 GHz, 6 MB, Intel® UHD Graphics 630) *
	Intel® Celeron® processor G5905 (2 Cores / 2 Threads, 3.50 GHz, 4 MB, Intel® UHD Graphics 610)
	Intel® Pentium® Gold G6400 (2 Cores / 4 Threads, 4.00 GHz, 4 MB, Intel® UHD Graphics 610)
	*with Intel® Turbo Boost Technology 2.0 (clock speed and performance will vary depending on workload and other variables) **with Intel® Turbo Boost Max Technology 3.0 (clock speed and performance will vary depending on workload and other variables)
Display	
Stand	Stand is removable. If only VESA mounting is required, the stand is just an option.
Height adjust range	134 mm
Tilt angle	0° / 20°
Swivel angle	+/-170° (340°)
Screen Surface Treatment	Anti-glare
Contrast - advanced	1000:1
Response time typical	14 ms
Viewing angle (h/v) - typical	178°/178° CR10:1
Color performance	16.7 million colors
Brightness - typical	250 cd/m2
Aspect ratio	16:9
Diagonal Size	60.5 cm (23.8-inch)
Resolution (native)	1,920 x 1,080 pixel
Ethernet (RJ-45)	1
Memory modules	4 GB (1 module(s) 4 GB) DDR4, unbuffered, non-ECC, 2,933 MT/s, SO DIMM
	8 GB (1 module(s) 8 GB) DDR4, unbuffered, non-ECC, 2,933 MT/s, SO DIMM
	16 GB (1 module(s) 16 GB) DDR4, unbuffered, non-ECC, 2,933 MT/s, SO DIMM
	32 GB (1 module(s) 32 GB) DDR4, unbuffered, non-ECC, 2,933 MT/s, SO DIMM
Mass storage 2.5 inch size	SSD SATA III, 512 GB, 2.5-inch
	SSD SATA III, 256 GB, 2.5-inch
Mass Storage M.2 technology	SSD PCIe, 1024 GB M.2 NVMe module, SED
	SSD PCIe, 1024 GB M.2 NVMe module
	SSD PCIe, 512 GB M.2 NVMe module, SED
	SSD PCIe, 512 GB M.2 NVMe module
	SSD PCIe, 256 GB M.2 NVMe module, SED
	SSD PCIe, 256 GB M.2 NVMe module
	SSD PCIe, 128 GB M.2 NVMe module

Mass storage 2.5 inch size	HDD SATA III, 5,400 rpm, 2000 GB, 2.5-inch
	HDD SATA III, 5,400 rpm, 1000 GB, 2.5-inch
	HDD SATA III, 5,400 rpm, 500 GB, 2.5-inch
Hard disk notes	One Gigabyte equals one billion bytes, when referring to hard disk drive capacity. SSD (Solid State Disk) SED (Self-Encrypting Drive)
Drives (optional)	BD Triple Writer SATA ultra slim (tray)
	DVD Super Multi ultra slim (tray)
Interface add on cards/components (optional)	
	Intel® WI-FI 6 AX200 and Bluetooth 5.1, SRD 5.8GHz (dedicated regions only)

Base unit

Base unit	ESPRIMO K5010/24
Mainboard	
Mainboard type	D3774
Formfactor	proprietary
Chipset	Intel® H410
Processor socket	LGA 1200
Processor quantity maximum	1
Supported capacity RAM (max.)	64 GB
Memory slots	2 DIMM (DDR4)
Memory frequency	2,933 MT/s
Memory notes	Dual channel support For dual channel performance, 2 memory modules have to be ordered. Capacity per channel has to be the same. 2933 MHz may be clocked down to 2400MHz depending on processor and memory configuration
LAN	10/100/1,000 MBit/s Realtek RTL8111H
Integrated WLAN	optional; Intel® Wi-Fi 6 AX200 (2x2/160) Gig+ and Bluetooth 5.1
BIOS version	AMI Aptio V UEFI Specification 2.6
BIOS features	BIOS Flash EPROM update by software Recovery BIOS Unified Extensible Firmware Interface (UEFI)
Audio type	On board
Audio codec	Realtek ALC255
Audio features	High Definition audio, Internal stereo speakers, Optional: Internal high quality stereo speakers
I/O controller on board	
Serial ATA total	2
thereof SATA III	2
Controller functions	Serial ATA III (6 Gbit) NCQ AHCI
Interfaces	
Audio: line-out / headphone	1
Audio: line-in / microphone	1
Front audio: headset	1
Internal microphones	optional with multimedia module (camera and microphone)
USB 2.0 total	3
USB 3.1 Gen1 (USB 3.0) total	4
USB front	2x USB 3.2 Gen 1; 1x USB 3.2 Gen 1 Type-C (supports up to 15W)

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Interfaces	
USB rear	3x USB 2.0; 1x USB 3.2 Gen 1
VGA	optional: via external active adapter cable
DisplayPort	1
Serial (RS-232)	1 (optional serial port (9pin, 16 byte FIFO, 16550 compatible))
Mouse / Keyboard (PS/2)	2 (optional)
Ethernet (RJ-45)	1
Interface Module notes	Anytime USB charge functionality
Kensington Lock support	1
Input device / components	
Input devices (optional)	Keyboard Mouse
Drive bays	
Drive bays total	2
2.5-inch internal bays	1
5.25-inch external bays	1
Drive bay notes	5.25" bay: for slim optical disc drive only
M.2-2280	1 x on mainboard for SSD NVMe (PCIe 3.0 x4; up to 32Gbit/s)
Mini PCI slots	
M.2-2230	on mainboard for WLAN/Bluetooth module
Graphics on board	
Graphics brand name	Intel® UHD Graphics 610, Intel® UHD Graphics 630
Shared video memory	Up to half size of total system memory
TFT resolution (DisplayPort)	Up to 4,096 x 2,304 pixel
Graphics features	Dual display support DirectX® 12 HDCP support OpenCL™ 2.1 OpenGL® 4.5 DisplayPort interface supports Ver. 1.4 incl. Multi-Stream
Graphics notes	up to 1 GB dedicated video memory (main memory owned and locked for graphics use) Tested resolutions, depending on display type additional resolutions and frequencies possible Shared memory depending on main memory size and operating system Resolution (color depth up to 32 Bit/pixel) For TFT we recommend using 60Hz
Electrical values	
Power efficiency note	power supply efficiency (at 230V; 10% / 20% / 50% / 100% load) : 85% / 90% / 93% / 93%
Rated voltage range	100 V - 240 V
Rated frequency range	50 Hz - 60 Hz
Operating voltage range	90 V - 264 V
Operating line frequency range	47 Hz - 63 Hz
Max. output of single power supply	190 W
Power factor correction/active power	active
Power consumption	
Power consumption note	See white paper Energy Consumption
Link to Energy White Paper	https://docs.ts.fujitsu.com/dl.aspx?id=a052469c-505e-444f-96d3-3fb71ae8cf36
Heat dissipation	
Heat dissipation notes	See white paper Energy Consumption
Noise emission	
Related Processors for noise	Intel® Core™ i5-10600 processor and 8GB, SSD 256GB M.2, ODD, Windows 10
Standard noise emission	According to ISO 7779:2010, ECMA-74
Standard noise notes / description	A-weighted sound power level Lwad (in B) / Workplace related A-weighted sound pressure level LpAm (in dB(A))

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Noise emission	
Standard noise operation mode: CPU 50% load	3.1 B / 16dB(A) Bystander; 18 dB(A) Operator position
Standard noise operation mode: HDD load	3.1 B / 15 dB(A) Bystander; 17 dB(A) Operator position
Standard noise operation mode: Idle mode	3.0 B / 15 dB(A) Bystander; 17 dB(A) Operator position
Standard noise operation mode: ODD load	4.5 B / 26 dB(A) Bystander; 31 dB(A) Operator position
Standard noise operation mode: Office applications 2.0	3.2 B / 15 dB(A) Bystander; 17 dB(A) Operator position

Dimensions / Weight / Environmental	
Dimensions (W x D x H)	543 x 95 x 337 mm
	21.4 x 3.74 x 13.3 inch
Dimension notes	Dimensions for display only (without stand); Dimensions with stand are: 543 x 253x 377 mm (lowest position) up to 543 mm (highest position)
Operating position	Vertical with stand or VESA mounted
VESA mount	integrated (100 mm)
Weight	app. 10.2 kg
Weight (lbs)	224.9 lbs
Weight notes	Actual weight may vary depending on configuration
Operating ambient temperature	10 - 35 °C (50 - 95 °F)
Operating relative humidity	5 - 85 % (relative humidity)

Compliance	
Product	ESPRIMO K5010/24
Model	AIO20
Germany	GS
Europe	CE
USA/Canada	FCC Class B
Global	RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment) Microsoft Operating Systems (HCT / HCL entry / WHQL) ENERGY STAR® 8.0 EPEAT® in progress (dedicated regions) TCO Certified 8.0 in progress
Compliance link	https://sp.ts.fujitsu.com/sites/certificates

Additional Software	
Additional software (preinstalled)	Adobe® Reader® (pdf reader) McAfee® LiveSafe™ (provides award-winning antivirus protection for your PC and much more. 30 days trial pre-installed) Microsoft Office (1 month trial for new Microsoft® Office 365 customers. Buy Microsoft Office.)
Additional software (optional)	Recovery DVD for Windows® Drivers & Utilities DVD (DUDVD) CyberLink PowerDVD BD (playback software for Blu-ray Disc™) CyberLink PowerDVD DVD (playback software for DVD) Nero Essentials XL Microsoft® Office Professional 2019 Microsoft® Office Home and Business 2019 (A Microsoft Account is required to activate each copy of these products. For purchase and activation only in the region in which it was acquired.)

Manageability	
Manageability technology	DeskUpdate Driver management PXE 2.1 Boot code Wake up from S5 (off mode) Intrusion switch (optional) WoL (Wake on LAN)

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Manageability	
Manageability software	DeskView Client DeskView Instant BIOS Management
DeskView components	BIOS Management incl. Security Inventory Management Driver Management Alarm Management
Supported standards	DMI (Desktop Management Interface) SMBIOS (System Management BIOS) PXE (Preboot Execution Environment) WMI (Windows Management Instrumentation) WBEM (Web Based Enterprise Management) CIM (Common Information Model)
Manageability link	http://www.fujitsu.com/fts/manageability
Security	
Physical Security	Kensington Lock support Eye for padlock
System and BIOS Security	Embedded security (TPM 2.0) EraseDisk Credential Guard Ready and Device Guard Capable (requires 8 GB or more system RAM and SSD PCIe NVME) Modern Standby ready (for configurations with NVMe SSD and w/o PCIe cards) Write protect option for the Flash EPROM Control of all USB interfaces External USB ports can be disabled separately Control of external interfaces
User Security	User and supervisor BIOS password Hard disk password Access protection via external SmartCard reader (optional) Access protection via internal SmartCard reader (optional) AuthConductor Client Basic (secure authentication solution)
Miscellaneous	
	Keyboard on (Special Fujitsu keyboard required) Keyboard on with one key (KBPX Eco, KB521) Keyboard on with 2 keys (CTRL+CTRL) with PS2 or special USB keyboards Keyboard on with any key (USB) Thermal management
Serviceability	
	EasyChange for HDD EasyChange for optical drives
Packaging information	
Packaging dimension (mm)	705 x 400 x 607 mm
Packaging dimension (inch)	27.76 x 15.75 x 23.9 inch
Max. quantity / pallet	9
Material - Weight (g) Carton	1939 g
Material - Weight (lbs) Carton	4.28 lbs
Material - Weight (g) EPS / PS	1284 g
Material - Weight (lbs) EPS / PS	2.83 lbs
Material - Weight (g) PE	60 g
Material - Weight (lbs) PE	0.13 lbs
Packaging notes	printed user documentation is bleached in chlorine free process
Warranty	
Warranty period	1 year
Warranty type	Bring-In / Onsite Service (depending on country)
Warranty Terms & Conditions	http://www.fujitsu.com/warranty
Product Support Services - the perfect extension	
Recommended Service	9x5, Onsite Response Time: Next Business Day

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Warranty	
Spare Parts availability	5 years
Service Weblink	http://www.fujitsu.com/emeia/products/product-support-services/

Recommended Accessories

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More information

Fujitsu products, solutions & services

In addition to FUJITSU Desktop ESPRIMO K5010/24, 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/products/computing/

Software
www.fujitsu.com/software/

More information

Learn more about FUJITSU Desktop ESPRIMO K5010/24, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
www.fujitsu.com/emeia/ESPRIMO

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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Contact
Fujitsu Technology Solutions GmbH
Website: www.fujitsu.com
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