

Fujitsu recommends Windows 10 Pro for business.

# 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



# Components

<b>Operating systems</b>	
<b>Operating system pre-installed</b>	Windows 10 Pro. Fujitsu recommends Windows 10 Pro for business. Windows 10 Home
<b>Operating system notes</b>	Windows 10 Support: After the end of the product life FUJITSU will continue to test and support all upcoming Windows 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 <a href="http://support.ts.fujitsu.com">http://support.ts.fujitsu.com</a> .
<b>Processor</b>	
	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)
<b>Stand</b>	
<b>Stand</b>	Stand is removable. If only VESA mounting is required, the stand is just an option.
<b>Height adjust range</b>	134 mm
<b>Tilt angle</b>	0° / 20°
<b>Swivel angle</b>	+/-170° (340°)
<b>Screen Surface Treatment</b>	Anti-glare
<b>Contrast - advanced</b>	1000:1
<b>Response time typical</b>	14 ms
<b>Viewing angle (h/v) - typical</b>	178°/178° CR10:1
<b>Color performance</b>	16.7 million colors
<b>Brightness - typical</b>	250 cd/m2
<b>Aspect ratio</b>	16:9
<b>Diagonal Size</b>	60.5 cm (23.8-inch)
<b>Resolution (native)</b>	1,920 x 1,080 pixel
<b>Ethernet (RJ-45)</b>	1
<b>Memory modules</b>	
	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
<b>Mass storage 2.5 inch size</b>	
	SSD SATA III, 512 GB, 2.5-inch
	SSD SATA III, 256 GB, 2.5-inch
<b>Mass Storage M.2 technology</b>	
	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

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

## Base unit

<b>Base unit</b>	ESPRIMO K5010/24
<b>Mainboard</b>	
<b>Mainboard type</b>	D3774
<b>Formfactor</b>	proprietary
<b>Chipset</b>	Intel® H410
<b>Processor socket</b>	LGA 1200
<b>Processor quantity maximum</b>	1
<b>Supported capacity RAM (max.)</b>	64 GB
<b>Memory slots</b>	2 DIMM (DDR4)
<b>Memory frequency</b>	2,933 MT/s
<b>Memory notes</b>	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
<b>LAN</b>	10/100/1,000 MBit/s Realtek RTL8111H
<b>Integrated WLAN</b>	optional; Intel® Wi-Fi 6 AX200 (2x2/160) Gig+ and Bluetooth 5.1
<b>BIOS version</b>	AMI Aptio V UEFI Specification 2.6
<b>BIOS features</b>	BIOS Flash EPROM update by software Recovery BIOS Unified Extensible Firmware Interface (UEFI)
<b>Audio type</b>	On board
<b>Audio codec</b>	Realtek ALC255
<b>Audio features</b>	High Definition audio, Internal stereo speakers, Optional: Internal high quality stereo speakers
<b>I/O controller on board</b>	
<b>Serial ATA total</b>	2
<b>thereof SATA III</b>	2
<b>Controller functions</b>	Serial ATA III (6 Gbit) NCQ AHCI
<b>Interfaces</b>	
<b>Audio: line-out / headphone</b>	1
<b>Audio: line-in / microphone</b>	1
<b>Front audio: headset</b>	1
<b>Internal microphones</b>	optional with multimedia module (camera and microphone)
<b>USB 2.0 total</b>	3
<b>USB 3.1 Gen1 (USB 3.0) total</b>	4

**Interfaces**

USB front	2x USB 3.2 Gen 1; 1x USB 3.2 Gen 1 Type-C (supports up to 15W)
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
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**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	<a href="https://docs.ts.fujitsu.com/dl.aspx?id=a052469c-505e-444f-96d3-3fb71ae8cf36">https://docs.ts.fujitsu.com/dl.aspx?id=a052469c-505e-444f-96d3-3fb71ae8cf36</a>

**Heat dissipation**

Heat dissipation notes	See white paper Energy Consumption
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**Noise emission**

Related Processors for noise	Intel® Core™ i5-10600 processor and 8GB, SSD 256GB M.2, ODD, Windows 10
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**Noise emission**

<b>Standard noise emission</b>	According to ISO 7779:2010, ECMA-74
<b>Standard noise notes / description</b>	A-weighted sound power level L <sub>wad</sub> (in B) / Workplace related A-weighted sound pressure level L <sub>pAm</sub> (in dB(A))
<b>Standard noise operation mode: CPU 50% load</b>	3.1 B / 16dB(A) Bystander; 18 dB(A) Operator position
<b>Standard noise operation mode: HDD load</b>	3.1 B / 15 dB(A) Bystander; 17 dB(A) Operator position
<b>Standard noise operation mode: Idle mode</b>	3.0 B / 15 dB(A) Bystander; 17 dB(A) Operator position
<b>Standard noise operation mode: ODD load</b>	4.5 B / 26 dB(A) Bystander; 31 dB(A) Operator position
<b>Standard noise operation mode: Office applications 2.0</b>	3.2 B / 15 dB(A) Bystander; 17 dB(A) Operator position

**Dimensions / Weight / Environmental**

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

**Compliance**

<b>Product</b>	ESPRIMO K5010/24
<b>Model</b>	AIO20
<b>Germany</b>	GS
<b>Europe</b>	CE
<b>USA/Canada</b>	FCC Class B
<b>Global</b>	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
<b>Compliance link</b>	<a href="https://sp.ts.fujitsu.com/sites/certificates">https://sp.ts.fujitsu.com/sites/certificates</a>

**Additional Software**

<b>Additional software (preinstalled)</b>	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.)
<b>Additional software (optional)</b>	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**

<b>Manageability technology</b>	DeskUpdate Driver management PXE 2.1 Boot code Wake up from S5 (off mode) Intrusion switch (optional) WoL (Wake on LAN)
<b>Manageability software</b>	DeskView Client DeskView Instant BIOS Management
<b>DeskView components</b>	BIOS Management incl. Security Inventory Management Driver Management Alarm Management
<b>Supported standards</b>	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)
<b>Manageability link</b>	<a href="http://www.fujitsu.com/fts/manageability">http://www.fujitsu.com/fts/manageability</a>

**Security**

<b>Physical Security</b>	Kensington Lock support Eye for padlock
<b>System and BIOS Security</b>	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
<b>User Security</b>	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
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**Serviceability**

	EasyChange for HDD EasyChange for optical drives
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**Packaging information**

<b>Packaging dimension (mm)</b>	705 x 400 x 607 mm
<b>Packaging dimension (inch)</b>	27.76 x 15.75 x 23.9 inch
<b>Max. quantity / pallet</b>	9
<b>Material - Weight (g) Carton</b>	1939 g
<b>Material - Weight (lbs) Carton</b>	4.28 lbs
<b>Material - Weight (g) EPS / PS</b>	1284 g
<b>Material - Weight (lbs) EPS / PS</b>	2.83 lbs
<b>Material - Weight (g) PE</b>	60 g
<b>Material - Weight (lbs) PE</b>	0.13 lbs
<b>Packaging notes</b>	printed user documentation is bleached in chlorine free process

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**Warranty**

Warranty period	1 year
Warranty type	Bring-In / Onsite Service (depending on country)
Warranty Terms & Conditions	<a href="http://www.fujitsu.com/warranty">http://www.fujitsu.com/warranty</a>
<b>Product Support Services - the perfect extension</b>	
Recommended Service	9x5, Onsite Response Time: Next Business Day
Spare Parts availability	5 years
Service Weblink	<a href="http://www.fujitsu.com/emeia/products/product-support-services/">http://www.fujitsu.com/emeia/products/product-support-services/</a>

## Recommended Accessories

## 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/](http://www.fujitsu.com/global/products/computing/)

#### Software

[www.fujitsu.com/software/](http://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](http://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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