Fujitsu recommends Windows 10 Pro.

Data Sheet FUJITSU Workstation CELSIUS J580

Maximum Warp in a SFF

No need to choose between size and performance in a Small Form Factor (SFF). As an industry first, the FUJITSU CELSIUS J580 offers full workstation performance in a 10 liter design. It is ideally suited for 2D and entry-level 3D performance and multi-monitor scenarios in control rooms, for surveillance and trading floors.

Breakthrough performance in a Small Form Factor

German design and engineering with performance and TCO in mind

- Choose between the energy-eficient Intel[®] Core[™] processors or the powerful Intel[®] Xeon[®] E-2100 processor family
- Support of Windows 10 Pro
- 64 GB DDR4 2,666 MHz memory
- Full-height graphics cards
- Boost your storage performance to a capacity of up to 14 TB
- Take advantage of the super-fast PCIe SSDs to provide a quick loading of core applications
- PCI support
- Support of 24/7 operation with reliable high-endurance and business critical drives

An industry first - taking the Small Form Factor to the next level

- No compromise between performance, design and office space
- 10 liter only
- Full-height graphics up to NVIDIA® Quadro® P2000
- **52%** smaller form factor than the CELSIUS W580 micro-tower

Whisper quiet design, Made in Germany

Fujitsu's desktop workstations are designed, engineered and manufactured in the heart of Europe

- Optimized thermal management and cooling solutions
- Low noise emission of 19 dB(A) lead to a silent workplace and enhanced productivity

Multi-monitor experience

Ideal for showrooms, control rooms, surveillance, trading floors or financial services companies

■ Up to 8 monitors with the NVIDIA[®] Mosaic[™] technology



RADEONPROWX



FUĴĨTSU

Components

Processor	Intel® Xeon® processor E-2174G (4 Cores / 8 Threads, 3.80 GHz, up to 4.7 GHz, 8 MB, Intel® UHD Graphics P630) *		
1000301	Intel® Xeon® processor E-2146G (6 Cores / 12 Threads, 3.50 GHz, up to 4.5 GHz, 12 MB, Intel® UHD Graphics P050) *		
	Intel [®] Xeon [®] processor E-2144G (4 Cores / 8 Threads, 3.60 GHz, up to 4.5 GHz, 8 MB, Intel [®] UHD Graphics P630) *		
	Intel® Xeon® processor E-2136 (6 Cores / 12 Threads, 3.30 GHz, up to 4.5 GHz, 12 MB) *		
	Intel® Xeon® processor E-2136 (6 Cores / 12 Threads, 3.50 GHz, up to 4.5 GHz, 12 MB) *		
	Intel® Xeon® processor E-2126G (6 Cores / 6 Threads, 3.30 GHz, up to 4.5 GHz, 12 MB, Intel® UHD Graphics P630) *		
	Intel® Xeon® processor E-21260 (6 Cores / 6 Threads, 3.30 GHz, up to 4.5 GHz, 8 MB, Intel® UHD Graphics P630) * Intel® Xeon® processor E-2124G (4 Cores / 4 Threads, 3.40 GHz, up to 4.5 GHz, 8 MB, Intel® UHD Graphics P630) * Intel® Xeon® processor E-2124 (4 Cores / 8 Threads, 3.30 GHz, up to 4.5 GHz, 8 MB) * Intel® Core™ i7-9700 processor (8 Cores / 8 Threads, 3.00 GHz, up to 4.7 GHz, 12 MB, Intel® HD Graphics 630) * Intel® Core™ i7-8700 processor (6 Cores / 12 Threads, 3.20 GHz, up to 4.6 GHz, 12 MB, Intel® UHD Graphics 630) *		
	Intel [®] Core [™] i5-9600 processor (6 Cores / 6 Threads, 3.10 GHz, up to 4.6 GHz, 9 MB, Intel [®] UHD Graphics 630) *		
	Intel® Core™ i5-9500 processor (6 Cores / 6 Threads, 3.00 GHz, up to 4.4 GHz, 9 MB, Intel® UHD Graphics 630) *		
	Intel® Core™ i5-8600 processor (6 Cores / 6 Threads, 3.10 GHz, up to 4.3 GHz, 9 MB, Intel® UHD Graphics 630) *		
	Intel [®] Core [™] i5-8500 processor (6 Cores / 6 Threads, 3.00 GHz, up to 4.1 GHz, 9 MB, Intel [®] UHD Graphics 630) *		
	Intel® Core™ i3-9100 processor (4 Cores / 4 Threads, 3.60 GHz, up to 4.2 GHz, 6 MB, Intel® HD Graphics 630) *		
	Intel® Core™ i3-8100 processor (4 Cores / 4 Threads, 3.60 GHz, 6 MB, Intel® UHD Graphics 630)		
	Intel® vPro ^m with all Intel® Xeon® processors		
	No Intel® vPro™ technology with Intel® Core i5 and Core i7 processors *with Intel® Turbo Boost Technology (clock speed and performance will vary depending on workload and other		
	variables)		
Operating systems			
Operating system pre-installed	Windows 10 Pro. Fujitsu recommends Windows 10 Pro.		
	Windows 10 Pro for Workstations Windows 10 Home		
Operating system compatible	Linux		
Operating system notes	Certified for Red Hat© Enterprise Linux (pending)		
operating system notes	Certified for SUSE Enterprise Desktop		
	Certified for SUSE Enterprise Server (pending)		
	For some configurations third party drivers are currently not available or configuration restrictions may apply.		
	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.		
Memory modules			
Memory modules	4 GB (1 module(s) 4 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM		
Memory modules	4 GB (1 module(s) 4 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM 8 GB (1 module(s) 8 GB) DDR4, unbuffered, ECC, 2,666 MT/s, UDIMM		
Memory modules	4 GB (1 module(s) 4 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM 8 GB (1 module(s) 8 GB) DDR4, unbuffered, ECC, 2,666 MT/s, UDIMM 8 GB (1 module(s) 8 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM		
Memory modules	4 GB (1 module(s) 4 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM 8 GB (1 module(s) 8 GB) DDR4, unbuffered, ECC, 2,666 MT/s, UDIMM 8 GB (1 module(s) 8 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM 16 GB (1 module(s) 16 GB) DDR4, unbuffered, ECC, 2,666 MT/s, UDIMM		
	4 GB (1 module(s) 4 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM 8 GB (1 module(s) 8 GB) DDR4, unbuffered, ECC, 2,666 MT/s, UDIMM 8 GB (1 module(s) 8 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM 16 GB (1 module(s) 16 GB) DDR4, unbuffered, ECC, 2,666 MT/s, UDIMM 16 GB (1 module(s) 16 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM		
	4 GB (1 module(s) 4 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM8 GB (1 module(s) 8 GB) DDR4, unbuffered, ECC, 2,666 MT/s, UDIMM8 GB (1 module(s) 8 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM16 GB (1 module(s) 16 GB) DDR4, unbuffered, ECC, 2,666 MT/s, UDIMM16 GB (1 module(s) 16 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM16 GB (1 module(s) 16 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM16 GB (1 module(s) 16 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMMMidrange 3D: NVIDIA® Quadro® P2200, 5 GB, PCIe x16, 4 x DisplayPort		
	4 GB (1 module(s) 4 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM8 GB (1 module(s) 8 GB) DDR4, unbuffered, ECC, 2,666 MT/s, UDIMM8 GB (1 module(s) 8 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM16 GB (1 module(s) 16 GB) DDR4, unbuffered, ECC, 2,666 MT/s, UDIMM16 GB (1 module(s) 16 GB) DDR4, unbuffered, ECC, 2,666 MT/s, UDIMM16 GB (1 module(s) 16 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM16 GB (1 module(s) 16 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM16 GB (1 module(s) 16 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMMMidrange 3D: NVIDIA® Quadro® P2200, 5 GB, PCIe x16, 4 x DisplayPortMidrange 3D: NVIDIA® Quadro® P2000, 5 GB, PCIe x16, 4 x DisplayPort		
	4 GB (1 module(s) 4 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM 8 GB (1 module(s) 8 GB) DDR4, unbuffered, ECC, 2,666 MT/s, UDIMM 8 GB (1 module(s) 8 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM 16 GB (1 module(s) 16 GB) DDR4, unbuffered, ECC, 2,666 MT/s, UDIMM 16 GB (1 module(s) 16 GB) DDR4, unbuffered, ECC, 2,666 MT/s, UDIMM 16 GB (1 module(s) 16 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM 16 GB (1 module(s) 16 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM 16 GB (1 module(s) 16 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM Midrange 3D: NVIDIA® Quadro® P2200, 5 GB, PCIe x16, 4 x DisplayPort Midrange 3D: NVIDIA® Quadro® P2000, 5 GB, PCIe x16, 4 x DisplayPort Midrange 3D: AMD Radeon™ Pro WX 5100, 8 GB, 320 stream processors, PCIe x16, 4 x DisplayPort		
	4 GB (1 module(s) 4 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM 8 GB (1 module(s) 8 GB) DDR4, unbuffered, ECC, 2,666 MT/s, UDIMM 8 GB (1 module(s) 8 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM 16 GB (1 module(s) 16 GB) DDR4, unbuffered, ECC, 2,666 MT/s, UDIMM 16 GB (1 module(s) 16 GB) DDR4, unbuffered, ECC, 2,666 MT/s, UDIMM 16 GB (1 module(s) 16 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM 16 GB (1 module(s) 16 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM Midrange 3D: NVIDIA® Quadro® P2200, 5 GB, PCIe x16, 4 x DisplayPort Midrange 3D: NVIDIA® Quadro® P2000, 5 GB, PCIe x16, 4 x DisplayPort Midrange 3D: AMD Radeon™ Pro WX 5100, 8 GB, 320 stream processors, PCIe x16, 4 x DisplayPort Entry 3D: NVIDIA® Quadro® P1000, 4 GB, PCIe x16, 4 x miniDP		
	4 GB (1 module(s) 4 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM 8 GB (1 module(s) 8 GB) DDR4, unbuffered, ECC, 2,666 MT/s, UDIMM 8 GB (1 module(s) 8 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM 16 GB (1 module(s) 16 GB) DDR4, unbuffered, ECC, 2,666 MT/s, UDIMM 16 GB (1 module(s) 16 GB) DDR4, unbuffered, ECC, 2,666 MT/s, UDIMM 16 GB (1 module(s) 16 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM 16 GB (1 module(s) 16 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM Midrange 3D: NVIDIA® Quadro® P2200, 5 GB, PCle x16, 4 x DisplayPort Midrange 3D: NVIDIA® Quadro® P2000, 5 GB, PCle x16, 4 x DisplayPort Midrange 3D: AMD Radeon™ Pro WX 5100, 8 GB, 320 stream processors, PCle x16, 4 x DisplayPort Entry 3D: NVIDIA® Quadro® P1000, 4 GB, PCle x16, 4 x miniDP Entry 3D: AMD Radeon™ Pro WX 3100, 4 GB, 320 stream processors, PCle x16, 1 x DisplayPort, 2 x miniDP		
	4 GB (1 module(s) 4 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM 8 GB (1 module(s) 8 GB) DDR4, unbuffered, ECC, 2,666 MT/s, UDIMM 8 GB (1 module(s) 8 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM 16 GB (1 module(s) 16 GB) DDR4, unbuffered, ECC, 2,666 MT/s, UDIMM 16 GB (1 module(s) 16 GB) DDR4, unbuffered, ECC, 2,666 MT/s, UDIMM 16 GB (1 module(s) 16 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM 16 GB (1 module(s) 16 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM Midrange 3D: NVIDIA® Quadro® P2200, 5 GB, PCle x16, 4 x DisplayPort Midrange 3D: NVIDIA® Quadro® P2000, 5 GB, PCle x16, 4 x DisplayPort Midrange 3D: NVIDIA® Quadro® P2000, 5 GB, PCle x16, 4 x DisplayPort Midrange 3D: NVIDIA® Quadro® P1000, 4 GB, 320 stream processors, PCle x16, 4 x DisplayPort Entry 3D: AMD Radeon™ Pro WX 3100, 4 GB, 320 stream processors, PCle x16, 1 x DisplayPort, 2 x miniDP Entry 3D: AMD Radeon™ Pro WX 2100, 2 GB, 320 stream processors, PCle x16, 1 x DisplayPort, 2 x miniDP		
Memory modules Graphics	4 GB (1 module(s) 4 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM 8 GB (1 module(s) 8 GB) DDR4, unbuffered, ECC, 2,666 MT/s, UDIMM 8 GB (1 module(s) 8 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM 16 GB (1 module(s) 16 GB) DDR4, unbuffered, ECC, 2,666 MT/s, UDIMM 16 GB (1 module(s) 16 GB) DDR4, unbuffered, ECC, 2,666 MT/s, UDIMM 16 GB (1 module(s) 16 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM 16 GB (1 module(s) 16 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM 16 GB (1 module(s) 16 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM Midrange 3D: NVIDIA® Quadro® P2200, 5 GB, PCle x16, 4 x DisplayPort Midrange 3D: NVIDIA® Quadro® P2000, 5 GB, PCle x16, 4 x DisplayPort Midrange 3D: NVIDIA® Quadro® P2000, 5 GB, PCle x16, 4 x DisplayPort Midrange 3D: NVIDIA® Quadro® P1000, 4 GB, PCle x16, 4 x miniDP Entry 3D: NVIDIA® Quadro® P1000, 4 GB, PCle x16, 4 x miniDP Entry 3D: AMD Radeon™ Pro WX 3100, 4 GB, 320 stream processors, PCle x16, 1 x DisplayPort, 2 x miniDP Entry 3D: AMD Radeon™ Pro WX 2100, 2 GB, 320 stream processors, PCle x16, 1 x DisplayPort, 2 x miniDP Entry 3D: NVIDIA® Quadro® P620, 2 GB, PCle x16, 4 x miniDP Entry 3D: NVIDIA® Quadro® P620, 2 GB, PCle x16, 4 x miniDP		
	4 GB (1 module(s) 4 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM 8 GB (1 module(s) 8 GB) DDR4, unbuffered, ECC, 2,666 MT/s, UDIMM 8 GB (1 module(s) 8 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM 16 GB (1 module(s) 16 GB) DDR4, unbuffered, ECC, 2,666 MT/s, UDIMM 16 GB (1 module(s) 16 GB) DDR4, unbuffered, ECC, 2,666 MT/s, UDIMM 16 GB (1 module(s) 16 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM 16 GB (1 module(s) 16 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM Midrange 3D: NVIDIA® Quadro® P2200, 5 GB, PCIe x16, 4 x DisplayPort Midrange 3D: NVIDIA® Quadro® P2000, 5 GB, PCIe x16, 4 x DisplayPort Midrange 3D: NVIDIA® Quadro® P2000, 5 GB, PCIe x16, 4 x DisplayPort Midrange 3D: NVIDIA® Quadro® P1000, 4 GB, 320 stream processors, PCIe x16, 4 x DisplayPort Entry 3D: AMD Radeon™ Pro WX 3100, 4 GB, 320 stream processors, PCIe x16, 1 x DisplayPort, 2 x miniDP Entry 3D: AMD Radeon™ Pro WX 2100, 2 GB, 320 stream processors, PCIe x16, 1 x DisplayPort, 2 x miniDP		

Hard disk drives (internal)	SSD SATA III, 960 GB High Endurance, 1DWDP, 2.5-inch		
, <i>, , , , , , , , , , , , , , , , , , </i>	SSD SATA III, 480 GB High Endurance, 1DWDP, 2.5-inch		
	SSD SATA III, 240 GB High Endurance, 1DWDP, 2.5-inch		
	SSD PCIe, 2048 GB M.2 NVMe Highend module		
	SSD PCIe, 1024 GB M.2 NVMe Highend module		
	SSD PCIe, 512 GB M.2 NVMe Highend module		
	SSD PCIe, 256 GB M.2 NVMe Highend module		
	SSD PCIe, 1x 2048 GB M.2 NVMe Highend card		
	SSD PCle, 1x1024 GB M.2 NVMe Highend card		
	SSD PCIe, 1x 512 GB M.2 NVMe Highend card		
	SSD PCIe, 1x 256 GB M.2 NVMe Highend card		
	RAID1 Bundle 2x512GB M.2 NVMe Highend		
	RAID1 Bundle 2x256GB M.2 NVMe Highend		
	SSD PCIe, 1024 GB M.2 NVMe module		
	SSD PCIe, 512 GB M.2 NVMe module		
	SSD PCIe, 256 GB M.2 NVMe module		
	SSD PCIe, 1024 GB M.2 NVMe module, SED		
	SSD PCIe, 512 GB M.2 NVMe module, SED		
	SSD PCIe, 256 GB M.2 NVMe module, SED		
	SSD PCIe, 1x 1024 GB M.2 NVMe card		
	SSD PCIe, 1x 512 GB M.2 NVMe card		
	SSD PCIe, 1x 256 GB M.2 NVMe card		
	SSD SATA III, 1024 GB, 2.5-inch		
	SSD SATA III, 512 GB, 2.5-inch		
	SSD SATA III, 256 GB, 2.5-inch		
	SSD SATA III, 128 GB, 2.5-inch		
	HDD SATA III, 7,200 rpm, 6,000 GB, 3.5-inch, business critical		
	HDD SATA III, 7,200 rpm, 4,000 GB, 3.5-inch, business critical		
	HDD SATA III, 7,200 rpm, 2,000 GB, 3.5-inch, business critical		
	HDD SATA III, 7,200 rpm, 1,000 GB, 3.5-inch, business critical		
	HDD SATA III, 7,200 rpm, 2,000 GB, 2.5-inch, business critical		
	HDD SATA III, 7,200 rpm, 1,000 GB, 2.5-inch, business critical		
	HDD SATA III, 7,200 rpm, 2,000 GB, 3.5-inch		
	HDD SATA III, 7,200 rpm, 1,000 GB, 3.5-inch		
	HDD SATA III, 7,200 rpm, 500 GB, 3.5-inch		
	Intel Optane Memory (16 GB)		
lard disk notes	One Gigabyte equals one billion bytes, when referring to hard disk drive capacity. 24/7 ready (business critical HDDs required) Up to 20 GB of HDD space is reserved for system recovery		
	SSHD (Solid State Hard Disk, Hybrid drive)		
	SED (Self-Encrypting Drive) SSD (Solid State Disk)		
Drives (optional)	BD Triple Writer SATA ultra slim (tray)		
	DVD Super Multi ultra slim (tray)		
	MultiCard Reader 24in1 USB 2.0 3.5"		

Interface add on cards/components (optional)			
<u>v 1 /</u>	WLAN 802.11ac (2x2) PCIe x1 and BT 5 (dedicated regions only)		
	WLAN 802.11ac (2x2) PCIe x1 (dedicated regions only)		
	Parallel Interface		
	Gigabit Ethernet PCIe x1		
	eSATA Interface		
	Dual serial card PCIe x1		
Riser Cards	1 x PCI-Express 3.0 x16, Full height (174 mm / 6.85 inch) ; 1 x PCI-Express 3.0 x4 (mech. x16), Full height (174 mm / 6.85 inch)		
	1 x PCI-Express 3.0 x16, Full height (174 mm / 6.85 inch) ; 1 x PCI, Full height (174 mm / 6.85 inch)		
Base unit	CELSIUS J580		
Mainboard			
Mainboard type	D3628		
Formfactor	proprietary		
Chipset	Intel® C246		
Processor socket	LGA 1151		
Supported capacity RAM (max.)	64 GB		
Memory slots	4 DIMM (DDR4) ECC/non-ECC		
Memory frequency	2,666 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. 2666 MHz may be clocked down to 2400 MHz depending on processor and memory configuration		
LAN	10/100/1,000 MBit/s Intel [®] I219LM		
BIOS features	BIOS Flash EPROM update by software Recovery BIOS Unified Extensible Firmware Interface (UEFI)		
Audio type	On board		
Audio codec	Realtek ALC671		
Audio features	Internal speaker supports audio playback (optional), High Definition audio, 5.1 surround sound		
I/O controller on board			
Serial ATA total	5		
thereof SATA III	5		
thereof eSATA	2 (optional)		
Controller functions	Serial ATA III (6 Gbit) NCQ AHCI RAID 0/1/5/10		
Interfaces			
Audio: line-in	1		
Audio: line-out	1		
Front audio: microphone	1		
Front audio: headphone	1		
Internal speakers	1		
USB 2.0 total	2		
USB 3.1 Gen1 (USB 3.0) total	9		
USB 3.1 Gen2 total	optional via add on card		
USB front	2x USB 3.1 (gen2)		
USB rear	6x USB 3.0; optional: additional 1x USB 3.1 Type C (Gen2) via add on card		
USB internal	2x USB 2.0 + 1x USB A 3.0		
DisplayPort	2		
	-		

Interfaces				
DVI	1 (DVI-D)			
Serial (RS-232)	1 ; optional: 2nd serial port (9pin, 16 byte FIFO, 16550 compatible)			
Mouse / Keyboard (PS/2)	2			
Ethernet (RJ-45)	1			
Parallel	1 (optional) (25pin with EPP and ECP)			
eSATA	1 (optional)			
Interface Module notes	Anytime USB charge functionality			
Input device / components				
Input devices (optional)	Keyboard Mouse KBPC PX ECO Mouse M440 ECO Space Explorer USB			
Drive bays total				
3.5-inch internal bays	1			
5.25-inch external bays	1			
Drive bay notes	5.25" bay: for slim optical disc drive only; internal 3.5" bay: 1x 3.5" drive (screwless) or 1x 2.5" drive (screws) or optiona via adapter for 1x or 2x 2.5" drives (screws); external 3.5" bay: optional as internal 3.5" bay (screws)			
M.2-2280	1 x on mainboard (for PCIe or SATA SSD modules), supports Intel® Optane™ technology			
Graphics on board				
Graphics brand name	Intel [®] HD Graphics P630, Intel [®] HD Graphics 630			
Shared video memory	up to 1,782 MB			
TFT resolution (VGA)	1,024 x 768 pixel 1,280 x 1,024 pixel 1,360 x 768 pixel 1,440 x 900 pixel 1,600 x 900 pixel 1,600 x 1,200 pixel 1,680 x 1,050 pixel 1,920 x 1,080 pixel			
TFT resolution (DVI)	1,280 x 1,024 pixel 1,360 x 768 pixel 1,440 x 900 pixel 1,600 x 900 pixel 1,680 x 1,050 pixel 1,920 x 1,080 pixel 1,920 x 1,200 pixel			
TFT resolution (DisplayPort)	1,280 x 1,024 pixel 1,360 x 768 pixel 1,440 x 900 pixel 1,600 x 900 pixel 1,680 x 1,050 pixel 1,920 x 1,080 pixel 1,920 x 1,200 pixel 2,560 x 1,440 pixel 2,560 x 1,600 pixel 3,440 x 1,440 pixel 3,840 x 2,160 pixel 4,096 x 2,304 pixel			

Carabia as based	
Graphics on board	
Graphics features	Support for up to three independent displays DirectX® 12
	HDCP support
	OpenCL® 2.0
	OpenGL [®] 4.4
	One DisplayPort connector can be converted to DVI-D or HDMI with an optional external adapter For multi monitoring mode, graphics card and integrated graphics run in parallel
	DisplayPort interface supports Ver. 1.2 incl. Multi-Stream
	DVI-D interface supports audio output for HDMI monitors
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) : 84% / 90% / 92% / 91%
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	280 W
Power factor correction/active power	active
Noise for standard configuration (HDD,	ODD)
Standard noise emission	4x8 GB, HDD, ODD, Windows
	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))
Standard noise operation mode: CPU 50% load	3.3 B/20 dB(A) Bystander position; 21 dB(A) Operator position
Standard noise operation mode: HDD load	3.3 B/20 dB(A) Bystander position; 21 dB(A) Operator position
Standard noise operation mode: Idle mode	3.3 B/20 dB(A) Bystander position; 21 dB(A) Operator position
Standard noise operation mode: ODD load	4.4 B/30 dB(A) Bystander position; 33 dB(A) Operator position
Standard noise operation mode: Office applications 2.0	3.3 B/20 dB(A) Bystander position; 21 dB(A) Operator position
Dimensions / Weight / Environmental	
Dimensions (W x D x H)	332 x 338 x 89 mm
	12.68 x 13.31 x 3.51 inch
Operating position	horizontal / vertical (optional, feet needed)
Weight	approx. 9 kg
Weight (lbs)	approx. 19.84 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	CELSIUS J580
Model	DTF
Germany	GS (planned)
Europe	CE
USA/Canada	FCC Class B
	cTUVus

Compliance			
Global	RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment) Microsoft Operating Systems (HCT / HCL entry / WHQL) ENERGY STAR® in progress EPEAT® in progress (dedicated regions)		
China	CCC (planned) CCC (depending on configuration) CEL (Chinese energy label) TPM 2.0 for China (optional)		
Compliance link	https://sp.ts.fujitsu.com/sites/certificates		
Additional Software			
Additional software (preinstalled)	Workplace Protect (secure authentication solution) McAfee® LiveSafe™ (provides award-winning antivirus protection for your PC and much more. 30 days trial pre-inst 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		
Security			
Physical Security	Kensington Lock support Eye for padlock Integrated cabinet lock (optional)		
System and BIOS Security	Embedded security (TPM 2.0) EraseDisk (optional) Credential Guard Ready and Device Guard Capable (Windows 10, v. 1809; requires 8 GB or more system RAM and SS PCIe NVME) Boot sector virus protection 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) Workplace Protect (secure authentication solution)		
Workplace Embedded Tools	Auto BIOS Update via Fujitsu Server Auto BIOS Update via customer server Easy PC Protection		
Manageability			
Manageability technology	DeskUpdate Driver management PXE 2.1 Boot code Wake up from S5 (off mode) Intrusion switch (optional) WoL (Wake on LAN) iAMT 12.0 (depending on processor)		
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)		

lanageability			
lanageability link	http://www.fujitsu.com/fts/manageability		
liscellaneous			
	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 Extended lifetime 24/7 (limited configurations)		
ackaging information			
ackaging dimension (mm)	467 x 265 x 540 mm		
ackaging dimension (inch)	18.39 x 10.43 x 21.26 inch		
1ax. quantity / pallet	28		
laterial - Weight (g) Carton	1180 g		
1aterial - Weight (lbs) Carton	2.6 lbs		
laterial - Weight (g) EPS / PS	180 g		
laterial - Weight (lbs) EPS / PS	0.4 lbs		
laterial - Weight (g) PE	60 g		
laterial - Weight (lbs) PE	0.13 lbs		
ackaging notes	printed user documentation is bleached in chlorine free process		
/arranty			
/arranty period	3 years (depending on country)		
/arranty type	Bring-In / Onsite Service (for countries within region EMEIA, for all other countries depending on local regulations)		
/arranty Terms & Conditions	http://support.ts.fujitsu.com/warranty		
roduct Support Services - the perfect e			
ecommended Service	9x5, Onsite Response Time: Next Business Day		
pare Parts availability	5 years after end of product life		
ervice Weblink	http://www.fujitsu.com/fts/services/support		

Recommended Accessories

Display P27-8 TS UHD	The FUJITSU Display P27-8 TS UHD has a 3840 x 2160 Ultra HD resolution ships with a thin bezel housing ideal for multi-monitor use scenarios. The monitor has a 178°/178° wide viewing angle that delivers consistent picture quality, a 100% sRGB color space, ECO function, DisplayView™ IT Suite manageability software and a range of connectivity options ideal for medium- and large-sized businesses.	Order Code: S26361-K1610-V160
Display B34-9 UE	The FUJITSU Display B34-9 UE is an ultrawide curved display with 3440 x 1440 resolution with a thin bezel housing. The monitor has a 1900R curvature and a wide viewing angle that delivers consistent picture quality, DisplayView™ software and a range of connectivity options ideal for medium- and large-sized businesses.	Order Code: S26361-K1642-V140
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 KBPC PX ECO	Fujitsu's KBPC PX ECO keyboard is the perfect contribution to Green IT. The keyboard is made out of 45% renewable raw material and comes with a PVC free USB cable. In addition, the KBPC PX ECO offers first class comfort and ergonomics. It attracts attention with its impressive modern design and useful extras.	S26381-K341-L1** (**: country specific variation)

More information

Fujitsu OPTIMIZATION Services

In addition to the FUJITSU Workstation CELSIUS J580, 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 the FUJITSU Workstation CELSIUS J580, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website. www.fujitsu.com/fts/CELSIUS

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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