

Deskbound Devices Workstations

CELSIUS workstations from Fujitsu are leading-edge IT equipment for demanding applications. They are highly expandable and feature class leading low noise emissions, excellent performance and long product life cycles. Powerful professional graphics options and comprehensive ISV certification ensure optimum productivity in power-hungry environments such as CAD and digital content creation.



Value

Mobile

CAD, CAE, DCC
and VR/VIS
on the move

CELSIUS H910
CELSIUS H710

All-round

2D/entry-level
CAD, DCC, EDA
and FSA

CELSIUS W410
CELSIUS W510

Advanced

High-end 3D
CAD, DCC and
FSA

CELSIUS R570
CELSIUS M470

Superior

High-end CAE,
EDA, DCC,
VR/VIS and
GIS Applications

CELSIUS R670

Functionality

Superior Workstation CELSIUS



Windows®. Life without Walls™.
Fujitsu recommends Windows 7.

CELSIUS R670

Operating system*	The new uncompromising high-end workstation Genuine Windows® 7 Professional 64-bit Genuine Windows® 7 Professional 32-bit
Facts Mainboard	D2618 (AT03)
Chipset	Intel® 5520, Intel® 82801JIB ICH10
Processor Type, Second Level cache, Processor frequency	Intel® Xeon® processor X5690, 12 MB, 3.46 GHz Intel® Xeon® processor X5687, 12 MB, 3.60 GHz Intel® Xeon® processor X5680, 12 MB, 3.33 GHz Intel® Xeon® processor X5677, 12 MB, 3.46 GHz Intel® Xeon® processor X5675, 12 MB, 3.06 GHz Intel® Xeon® processor X5672, 12 MB, 3.20 GHz Intel® Xeon® processor X5670, 12 MB, 2.93 GHz Intel® Xeon® processor X5667, 12 MB, 3.06 GHz Intel® Xeon® processor X5660, 12 MB, 2.80 GHz Intel® Xeon® processor X5650, 12 MB, 2.66 GHz Intel® Xeon® processor X5647, 12 MB, 2.93 GHz Intel® Xeon® processor E5649, 12 MB, 2.53 GHz Intel® Xeon® processor E5645, 12 MB, 2.40 GHz Intel® Xeon® processor E5640, 12 MB, 2.66 GHz Intel® Xeon® processor E5630, 12 MB, 2.53 GHz Intel® Xeon® processor E5620, 12 MB, 2.40 GHz Intel® Xeon® processor E5607, 8 MB, 2.26 GHz Intel® Xeon® processor E5606, 8 MB, 2.13 GHz Intel® Xeon® processor E5603, 8 MB, 1.60 GHz Intel® Xeon® processor L5640, 12 MB, 2.26 GHz Intel® Xeon® processor L5630, 12 MB, 2.13 GHz Intel® Xeon® processor L5609, 12 MB, 1.86 GHz
Processor quantity maximum	2
Memory	Up to 192 GB, 12 slot(s)
Serial ATA	4
SAS RAID support	0, 1, 10
SATA RAID support	0, 1, 10
Drives (optional)	DVD Super Multi MultiCard Reader 20-in-1, 3.5-inch DVD-ROM Blu-ray Disc™ Triple Writer
Hard disk drive	SSD SATA, 256 GB, 2.5-inch SSD SATA, 128 GB, 2.5-inch HDD SAS, 15000 rpm, 600 GB, 3.5-inch HDD SAS, 15000 rpm, 450 GB, 3.5-inch HDD SAS, 15000 rpm, 300 GB, 3.5-inch SATA III, 10000 rpm, 600 GB, 3.5-inch SATA II, 10000 rpm, 300 GB, 2.5-inch, S.M.A.R.T. SATA II, 10000 rpm, 150 GB, 2.5-inch, S.M.A.R.T. SATA II, 7200 rpm, 2000 GB, 3.5-inch, S.M.A.R.T. business critical SATA II, 7200 rpm, 1000 GB, 3.5-inch, S.M.A.R.T. business critical SATA II, 7200 rpm, 500 GB, 3.5-inch, S.M.A.R.T. business critical SATA II, 7200 rpm, 1000 GB, 3.5-inch, S.M.A.R.T. SATA II, 7200 rpm, 500 GB, 3.5-inch, S.M.A.R.T. SATA II, 7200 rpm, 320 GB, 3.5-inch, S.M.A.R.T. SATA II, 7200 rpm, 160 GB, 3.5-inch, S.M.A.R.T.
Drive bays	4 x 3.5-inch internal bay 3 x 5.25-inch external bay
Slots	2 x PCI-Express 2.0 x16 3 x PCI-Express x4 1 x PCI slot
Interfaces	2 x Audio: out; 1 x SPDIF rear; 1 x Audio: in rear; 1 x Front Audio: in; 1 x Front Audio: out; 1 x Internal speakers; 11 x USB 2.0 total; 2 x USB front; 3 x USB internal, thereof 1 type A; 6 x USB rear; 2 x Ethernet (RJ-45); 1 x FireWire (IEEE1394a) front; 1 x FireWire (IEEE1394a) rear; 1 x eSATA; 2 x Mouse / Keyboard (PS/2)

Graphics

Graphics	Ultra-high-end 3D: NVIDIA® Quadro® 6000, 4 GB, PCIe x16, 2 x DL-DVI-I, DP Ultra-high-end 3D: NVIDIA® Quadro® FX 5800, 4 GB, PCIe x16, 2 x DL-DVI-I, DP Ultra-high-end 3D: ATI FirePro™ V7800, 2 GB, PCIe x16, DL-DVI-I, 2 x DP Ultra-high-end 3D: NVIDIA® Quadro® 5000, 1.5 GB, PCIe x16, 2 x DL-DVI-I, 2 x DP Ultra-high-end 3D: NVIDIA® Quadro® FX 4800, 1.5 GB, PCIe x16, 2 x DL-DVI-I, 2 x DP High-end 3D: ATI FirePro™ V5800, 1 GB, PCIe x16, DL-DVI-I, 2 x DP High-end 3D: NVIDIA® Quadro® 4000, 1024 MB, PCIe x16, DL-DVI-I, 2 x DP High-end 3D: NVIDIA® Quadro® FX 3800, 1024 MB, PCIe x16, DL-DVI-I, 2 x DP Midrange 3D: ATI FirePro™ V4800, 1 GB, PCIe x16, DL-DVI-I, 2 x DP Midrange 3D: NVIDIA® Quadro® 2000, 768 MB, PCIe x16, DL-DVI-I, 2 x DP Midrange 3D: NVIDIA® Quadro® FX 1800, 768 MB, PCIe x16, DL-DVI-I, 2 x DP Midrange 3D: NVIDIA® Quadro® 600, 512 MB, PCIe x16, DL-DVI-I, 2 x DP Midrange 3D: NVIDIA® Quadro® FX 580, 512 MB, PCIe x16, DL-DVI-I, 2 x DP Entry 3D: ATI FirePro™ V3800, 512 MB, PCIe x16, DL-DVI-I, DP Entry 3D: NVIDIA® Quadro® FX 380, 256 MB, PCIe x16, 2 x DL-DVI-I Multi monitor 2D: 2nd NVIDIA® Quadro® NVS 295, 256 MB, PCIe x1, 2 x DP Multi monitor 2D: NVIDIA® Quadro® NVS 295, 512 MB, PCIe x1, DP Professional 2D: NVIDIA® Quadro® NVS 300, 512 MB, PCIe x16, 2 x DP or 2 x DVI-I Professional 2D: NVIDIA® Quadro® NVS 295, 256 MB, PCIe x16, 2 x DP Professional 2D: NVIDIA® Quadro® NVS 450, 512 MB, PCIe x16, 4 x DP GPU computing card: NVIDIA® Tesla™ C2070, 3 GB, PCIe x16, 1 x DVI-I GPU computing card: NVIDIA® Tesla™ C2050, 3 GB, PCIe x16, 1 x DVI-I GPU computing card: NVIDIA® Tesla™ C1060, 4 GB, PCIe x16 Remote Graphics: CELSIUS RemoteAccess Card, PCIe x1, 2 x DVI-I
Audio codec	Realtek ALC663
LAN	2 x Built-in 10/100/1000 Mbit/s Realtek RTL8111
Weight	26 kg
Dimensions (W x D x H)	215 x 622 x 446 mm
Special features	Best-in-class noise emission, Certified for leading workstation applications, Halogen free mainboard, Integrated status display, Made in Germany, Optimized thermal management system, Rack mountable, Support for two ultra-high-end graphics subsystems, SLI support, USB and Audio in front
Standard Warranty Duration**	3 years (depending on country)
Service level**	On-Site Service (depending on country)

Advanced Workstations CELSIUS



Windows®. Life without Walls™.
Fujitsu recommends Windows 7.

CELSIUS R570	
	Your compact „powerhouse“ workstation
Operating system*	Genuine Windows® 7 Professional 64-bit Genuine Windows® 7 Professional 32-bit
Facts Mainboard	D2628 (extended CEB)
Chipset	Intel® 5520, Intel® 82801JIR ICH10R
Processor Type, Second Level cache, Processor frequency	Intel® Xeon® processor X5675, 12 MB, 3.06 GHz Intel® Xeon® processor X5672, 12 MB, 3.20 GHz Intel® Xeon® processor X5670, 12 MB, 2.93 GHz Intel® Xeon® processor X5667, 12 MB, 3.06 GHz Intel® Xeon® processor X5660, 12 MB, 2.80 GHz Intel® Xeon® processor X5650, 12 MB, 2.66 GHz Intel® Xeon® processor E5649, 12 MB, 2.53 GHz Intel® Xeon® processor E5645, 12 MB, 2.40 GHz Intel® Xeon® processor E5640, 12 MB, 2.66 GHz Intel® Xeon® processor E5630, 12 MB, 2.53 GHz Intel® Xeon® processor E5620, 12 MB, 2.40 GHz Intel® Xeon® processor E5607, 8 MB, 2.26 GHz Intel® Xeon® processor E5606, 8 MB, 2.13 GHz Intel® Xeon® processor E5603, 8 MB, 1.60 GHz Intel® Xeon® processor L5640, 12 MB, 2.26 GHz Intel® Xeon® processor L5630, 12 MB, 2.13 GHz Intel® Xeon® processor L5609, 12 MB, 1.8 6GHz
Processor quantity maximum	2
Memory	Up to 96 GB, 6 slot(s)
Serial ATA	6
SAS Controller	optional
SATA RAID support	0, 1, 10, 5
Drives (optional)	DVD Super Multi MultiCard Reader 20-in-1, 3.5-inch DVD-ROM Blu-ray Disc™ Triple Writer
Hard disk drive	SSD SATA, 256 GB, 2.5-inch SSD SATA, 128 GB, 2.5-inch HDD SAS, 15000 rpm, 600 GB, 3.5-inch HDD SAS, 15000 rpm, 450 GB, 3.5-inch HDD SAS, 15000 rpm, 300 GB, 3.5-inch SATA III, 10000 rpm, 600 GB, 3.5-inch SATA II, 10000 rpm, 300 GB, 2.5-inch, S.M.A.R.T. SATA II, 10000 rpm, 150 GB, 2.5-inch, S.M.A.R.T. SATA II, 7200 rpm, 2000 GB, 3.5-inch, S.M.A.R.T. business critical SATA II, 7200 rpm, 1000 GB, 3.5-inch, S.M.A.R.T. business critical SATA II, 7200 rpm, 500 GB, 3.5-inch, S.M.A.R.T. business critical SATA II, 7200 rpm, 1000 GB, 3.5-inch, S.M.A.R.T. SATA II, 7200 rpm, 500 GB, 3.5-inch, S.M.A.R.T. SATA II, 7200 rpm, 320 GB, 3.5-inch, S.M.A.R.T. SATA II, 7200 rpm, 160 GB, 3.5-inch, S.M.A.R.T.
Drive bays	4 x 3.5-inch internal bay 3 x 5.25-inch external bay
Slots	2 x PCI-Express 2.0 x16 2 x PCI slots 2 x PCIe x4 / x8
Interfaces	1 x Audio: in rear 2 x Audio: out rear 1 x Front Audio: in 1 x Front Audio: out 1 x Internal speakers 11 x USB 2.0 total 2 x USB front 3 x USB internal, thereof 1 type A 6 x USB rear 1 x Ethernet (RJ-45) 2 x Mouse / Keyboard (PS/2)
Graphics	Ultra-high-end 3D: NVIDIA® Quadro® 6000, 4 GB, PCIe x16, 2 x DL-DVI-I, DP Ultra-high-end 3D: NVIDIA® Quadro® FX 5800, 4 GB, PCIe x16, 2 x DL-DVI-I, DP Ultra-high-end 3D: ATI FirePro™ V7800, 2 GB, PCIe x16, DL-DVI-I, 2 x DP Ultra-high-end 3D: NVIDIA® Quadro® 5000, 1.5 GB, PCIe x16, 2 x DL-DVI-I, 2 x DP Ultra-high-end 3D: NVIDIA® Quadro® FX 4800, 1.5 GB, PCIe x16, 2 x DL-DVI-I, 2 x DP High-end 3D: NVIDIA® Quadro® 4000, 1024 MB, PCIe x16, DL-DVI-I, 2 x DP High-end 3D: NVIDIA® Quadro® FX 3800, 1024 MB, PCIe x16, DL-DVI-I, 2 x DP High-end 3D: ATI FirePro™ V5800, 1 GB, PCIe x16, DL-DVI-I, 2 x DP Midrange 3D: ATI FirePro™ V4800, 1 GB, PCIe x16, DL-DVI-I, 2 x DP Midrange 3D: NVIDIA® Quadro® 2000, 768 MB, PCIe x16, DL-DVI-I, 2 x DP Midrange 3D: NVIDIA® Quadro® FX 1800, 768 MB, PCIe x16, DL-DVI-I, 2 x DP Midrange 3D: NVIDIA® Quadro® 600, 512 MB, PCIe x16, DL-DVI-I, 2 x DP Midrange 3D: NVIDIA® Quadro® FX 580, 512 MB, PCIe x16, DL-DVI-I, 2 x DP Entry 3D: ATI FirePro™ V3800, 512 MB, PCIe x16, DL-DVI-I, DP Entry 3D: NVIDIA® Quadro® FX 380, 256 MB, PCIe x16, 2 x DL-DVI-I Multi monitor 2D: 2nd NVIDIA® Quadro® NVS 295, 256 MB, PCIe x1, 2 x DP Multi monitor 2D: NVIDIA® Quadro® NVS 295, 256 MB, PCIe x1, 2 x DP Professional 2D: NVIDIA® Quadro® NVS 300, 512 MB, PCIe x16, 2 x DP or 2 x DVI-I Professional 2D: NVIDIA® Quadro® NVS 450, 512 MB, PCIe x16, 4 x DP GPU computing card: NVIDIA® Tesla™ C2070, 3 GB, PCIe x16, 1 x DVI-I GPU computing card: NVIDIA® Tesla™ C2050, 3 GB, PCIe x16, 1 x DVI-I GPU computing card: NVIDIA® Tesla™ C1060, 4 GB, PCIe x16 Remote Graphics: CELSIUS RemoteAccess Card, PCIe x1, 2 x DVI-I
Audio codec	Realtek ALC663
LAN	Built-in 10/100/1000 Mbit/s Realtek RTL8111
Weight	20 kg
Dimensions (W x D x H)	215 x 522 x 446 mm
Special features	Best-in-class noise emission, Certified for leading workstation applications, Halogen free mainboard, Integrated status display, Made in Germany, Optimized thermal management system, Rack mountable, Support for two ultra-high-end graphics subsystems, SLI support, USB and Audio in front
Standard Warranty Duration**	3 years (depending on country)
Service level**	On-Site Service (depending on country)



CELSIUS M470	
Operating system*	Your new „thoroughbred“ workstation Genuine Windows® 7 Professional 64-bit Genuine Windows® 7 Professional 32-bit
Facts Mainboard	D2778 (ATX)
Chipset	Intel® X58 Express, Intel® 82801JR ICH10R
Processor Type, Second Level cache, Processor frequency	Intel® Xeon® processor W3690, 12 MB, 3.46 GHz Intel® Xeon® processor W3670, 12 MB, 3.20 GHz Intel® Xeon® processor W3565, 8 MB, 3.20 GHz Intel® Xeon® processor W3550, 8 MB, 3.06 GHz Intel® Xeon® processor W3530, 8 MB, 2.80 GHz Intel® Xeon® processor W3520, 8 MB, 2.66 GHz Intel® Xeon® processor W3505, 4 MB, 2.53 GHz Intel® Xeon® processor W3503, 4 MB, 2.40 GHz Intel® Xeon® processor X5690, 12 MB, 3.46 GHz Intel® Xeon® processor X5687, 12 MB, 3.60 GHz Intel® Xeon® processor X5680, 12 MB, 3.33 GHz Intel® Xeon® processor X5677, 12 MB, 3.46 GHz Intel® Xeon® processor X5675, 12 MB, 3.06 GHz Intel® Xeon® processor X5672, 12 MB, 3.20 GHz Intel® Xeon® processor X5670, 12 MB, 2.93 GHz Intel® Xeon® processor X5667, 12 MB, 3.06 GHz Intel® Xeon® processor X5660, 12 MB, 2.80 GHz Intel® Xeon® processor X5650, 12 MB, 2.66 GHz Intel® Xeon® processor X5647, 12 MB, 2.93 GHz Intel® Xeon® processor E5649, 12 MB, 2.53 GHz Intel® Xeon® processor E5645, 12 MB, 2.40 GHz Intel® Xeon® processor E5640, 12 MB, 2.66 GHz Intel® Xeon® processor E5630, 12 MB, 2.53 GHz Intel® Xeon® processor E5620, 12 MB, 2.40 GHz Intel® Xeon® processor E5607, 8 MB, 2.26 GHz Intel® Xeon® processor E5606, 8 MB, 2.13 GHz Intel® Xeon® processor E5603, 8 MB, 1.60 GHz Intel® Xeon® processor L5640, 12 MB, 2.26 GHz Intel® Xeon® processor L5630, 12 MB, 2.13 GHz Intel® Xeon® processor L5609, 12 MB, 1.86 GHz
Processor quantity maximum	1
Memory	Up to 48 GB, 6 DIMM slot(s)
Serial ATA	6
SAS Controller	optional
SATA RAID support	0, 1, 10, 5
Drives (optional)	DVD Super Multi; MultiCard Reader 20-in-1, 3.5-inch; DVD-ROM; Blu-ray Disc™ Triple Writer
Drive bays	4 x 3.5-inch internal bay; 3 x 5.25-inch external bay
Slots	2 x PCI-Express 2.0 x16 2 x PCI slots 2 x PCIe x4 / x8
Hard disk drive	SSD SATA, 256 GB, 2.5-inch SSD SATA, 128 GB, 2.5-inch HDD SAS, 15000 rpm, 600 GB, 3.5-inch HDD SAS, 15000 rpm, 450 GB, 3.5-inch HDD SAS, 15000 rpm, 300 GB, 3.5-inch SATA III, 10000 rpm, 600 GB, 3.5-inch SATA II, 10000 rpm, 300 GB, 2.5-inch, S.M.A.R.T. SATA II, 10000 rpm, 150 GB, 2.5-inch, S.M.A.R.T. SATA II, 7200 rpm, 2000 GB, 3.5-inch, S.M.A.R.T. business critical SATA II, 7200 rpm, 1000 GB, 3.5-inch, S.M.A.R.T. business critical SATA II, 7200 rpm, 500 GB, 3.5-inch, S.M.A.R.T. business critical SATA II, 7200 rpm, 1000 GB, 3.5-inch, S.M.A.R.T. SATA II, 7200 rpm, 500 GB, 3.5-inch, S.M.A.R.T. SATA II, 7200 rpm, 320 GB, 3.5-inch, S.M.A.R.T. SATA II, 7200 rpm, 160 GB, 3.5-inch, S.M.A.R.T.
Interfaces	2 / 1 x Audio: out / SPDIF rear; 1 x Audio: in rear; 1 x Front Audio: in; 1 x Front Audio: out; 1 x Internal speakers; 11 x USB 2.0 total 2 x USB front; 3 x USB internal, thereof 1 type A; 6 x USB rear; 1 x Ethernet (RJ-45); 1 x FireWire (IEEE1394a) front; 1 x FireWire (IEEE1394a) rear; 2 x Mouse / Keyboard (PS/2)
Graphics	Ultra-high-end 3D: NVIDIA® Quadro® 6000, 4 GB, PCIe x16, 2 x DL-DVI-I, DP Ultra-high-end 3D: NVIDIA® Quadro® FX 5800, 4 GB, PCIe x16, 2 x DL-DVI-I, DP Ultra-high-end 3D: ATI FirePro™ V7800, 2 GB, PCIe x16, DL-DVI-I, 2 x DP Ultra-high-end 3D: NVIDIA® Quadro® 5000, 1.5 GB, PCIe x16, 2 x DL-DVI-I, 2 x DP Ultra-high-end 3D: NVIDIA® Quadro® FX 4800, 1.5 GB, PCIe x16, 2 x DL-DVI-I, 2 x DP High-end 3D: ATI FirePro™ V5800, 1 GB, PCIe x16, DL-DVI-I, 2 x DP High-end 3D: NVIDIA® Quadro® 4000, 1024 MB, PCIe x16, DL-DVI-I, 2 x DP High-end 3D: NVIDIA® Quadro® FX 3800, 1024 MB, PCIe x16, DL-DVI-I, 2 x DP Midrange 3D: ATI FirePro™ V4800, 1 GB, PCIe x16, DL-DVI-I, 2 x DP Midrange 3D: NVIDIA® Quadro® 2000, 768 MB, PCIe x16, DL-DVI-I, 2 x DP Midrange 3D: NVIDIA® Quadro® FX 1800, 768 MB, PCIe x16, DL-DVI-I, 2 x DP Midrange 3D: NVIDIA® Quadro® 600, 512 MB, PCIe x16, DL-DVI-I, 2 x DP Midrange 3D: NVIDIA® Quadro® FX 580, 512 MB, PCIe x16, DL-DVI-I, 2 x DP Entry 3D: ATI FirePro™ V3800, 512 MB, PCIe x16, DL-DVI-I, DP Entry 3D: NVIDIA® Quadro® FX 380, 256 MB, PCIe x16, 2 x DL-DVI-I Multi monitor 2D: 2nd NVIDIA® Quadro® NVS 295, 256 MB, PCIe x1, 2 x DP Multi monitor 2D: NVIDIA® Quadro® NVS 295, 512 MB, PCIe x1, DP Professional 2D: NVIDIA® Quadro® NVS 300, 512 MB, PCIe x16, 2 x DP or 2 x DVI-I Professional 2D: NVIDIA® Quadro® NVS 295, 256 MB, PCIe x16, 2 x DP Professional 2D: NVIDIA® Quadro® NVS 450, 512 MB, PCIe x16, 4 x DP GPU computing card: NVIDIA® Tesla™ C2070, 3 GB, PCIe x16, 1 x DVI-I GPU computing card: NVIDIA® Tesla™ C2050, 3 GB, PCIe x16, 1 x DVI-I GPU computing card: NVIDIA® Tesla™ C1060, 4 GB, PCIe x16 Remote Graphics: CELSIUS RemoteAccess Card, PCIe x1, 2 x DVI-I
Audio codec	Realtek ALC663
LAN	Built-in 10/100/1000 Mbit/s Realtek RTL8111
Weight	18 kg
Dimensions (W x D x H)	215 x 522 x 446 mm
Special features	Best-in-class noise emission, Certified for leading workstation applications, Halogen free mainboard, Integrated status display, Made in Germany, Optimized thermal management system, Rack mountable, Support for two ultra-high-end graphics subsystems, SLI support, USB and Audio in front
Standard Warranty Duration**	3 years (depending on country)
Service level**	On-Site Service (depending on country)

All-round Workstations

CELSIUS



Windows®. Life without Walls™.
Fujitsu recommends Windows 7.

CELSIUS W510			
Operating system*	Performance that boosts your productivity Genuine Windows® 7 Professional 64-bit Genuine Windows® 7 Professional 32-bit Genuine Windows® 7 Home Premium 64-bit	Graphics features	Dual display support, DirectX 10.1, HDCP support, OpenGL® 2.1, For multi monitoring mode, graphics card and integrated graphics run in parallel (Microsoft® Windows 7® only)
Facts Mainboard	D3067 (ATX)	Graphics	Ultra-high-end 3D: NVIDIA® Quadro® 5000, 2.5 GB, PCIe x16, DL-DVI-I, 2 x DP, DVI, VGA (only CELSIUS W510 power) High-end 3D: ATI FirePro™ V7800, 2 GB, PCIe x16, DL-DVI-I, 2 x DP High-end 3D: NVIDIA® Quadro® 4000, 2 GB, PCIe x16, DL-DVI-I, 2 x DP Midrange 3D: ATI FirePro™ V5800, 1 GB, PCIe x16, DL-DVI-I, 2 x DP Midrange 3D: NVIDIA® Quadro® 2000, 1 GB, PCIe x16, DL-DVI-I, 2 x DP Entry 3D: ATI FirePro™ V3800, 512 MB, PCIe x16, DL-DVI-I, DP Entry 3D: ATI FirePro™ V4800, 1 GB, PCIe x16, DL-DVI-I, 2 x DP Entry 3D: NVIDIA® Quadro® 600, 1 GB, PCIe x16, DL-DVI-I, DP Professional 2D: NVIDIA® Quadro® NVS 300, 512 MB, PCIe x16, 2 x DVI or 2 x DP Professional 2D: NVIDIA® Quadro® NVS 450, 512 MB, PCIe x16, 4 x DP Remote Graphics: CELSIUS RemoteAccess Card, PCIe x1, 2 x DVI-I
Chipset	Intel® 2nd generation chipset	Audio codec	Conexant CX20642
Processor Type, Second Level cache, Processor frequency	Intel® Xeon® processor E3-1200 series Intel® Core™ i3-2100 processor, 3 MB, 3.10 GHz	LAN	10/100/1000 MBit/s Intel® 82579 LM Optional (for Windows only) x Integrated WLAN
Processor quantity maximum	1	Weight	16 kg
Memory	up to 32 GB, 4 DIMM (DDR3) ECC/non-ECC slot(s), In configurations with 4 GB and more the visible memory may be reduced to approximately 3.5 GB or less (for 32-bit operating systems) and configurations with 8 GB the visible memory may be reduced to approximately 7.5 GB or less (depending on system configuration).	Dimensions (W x D x H)	186 x 481 x 430 mm
Serial ATA	6 x Serial ATA total	Special features	Best-in-class noise emission, Certified for leading workstation applications, Halogen free mainboard, Integrated status display, Made in Germany, Optimized thermal management system, Support for ultra-high-end graphics subsystems, USB and Audio in front
thereof eSATA	1, optional thereof eSATA	Standard Warranty Duration**	3 years (depending on country)
SATA RAID support	0, 1, 10, 5	Service level**	On-Site Service (depending on country)
Drives (optional)	DVD-ROM, SATA I DVD Super Multi, SATA I Blu-ray Disc™ Triple Writer, SATA I MultiCard Reader 20in1, USB 2.0, 3.5-Inch, USB 2.0 MultiCard Reader 20in1 USB 3.0 front con., 3.5-Inch, USB 3.0		
Hard disk drive	SSD SATA, 256 GB, 2.5-inch, full disk encryption SSD SATA, 128 GB, 2.5-inch, full disk encryption SATA III, 10000 rpm, 600 GB, 3.5-inch SATA III, 7200 rpm, 1000 GB, 3.5-inch SATA III, 7200 rpm, 500 GB, 3.5-inch SATA II, 10000 rpm, 300 GB, 2.5-inch SATA II, 7200 rpm, 2000 GB, 3.5-inch, business critical SATA II, 7200 rpm, 1000 GB, 3.5-inch, business critical SATA II, 7200 rpm, 500 GB, 3.5-inch, business critical HDD SATA, 160 GB, 2.5-inch		
Drive bays	2 x 3.5-inch external bay 4 x 3.5-inch internal bay or 2 x 3.5-inch internal bay and 2 x 2.5-inch internal bay 2 x 5.25-inch external bay		
Slots	1 x PCI-Express 2.0 x16 1 x PCI-Express 2.0 x4 (mech. x16) 2 x PCI-Express x1 3 x PCI slots		
Interfaces	2 x Audio: in (rear) 1 x Audio: out (rear) 1 x Front Audio: in 1 x Front Audio: out 1 x Internal speakers 14 x USB 2.0 total 4 x USB front 1 + 1 x USB internal 8 x USB rear 1 x DisplayPort (depends on processor) 1, optional Parallel 1 x VGA (depends on processor, via DVI to VGA adapter) 1 x Ethernet (RJ-45) 1 x DVI (depends on processor) 1, optional eSATA 2 x Mouse / Keyboard (PS/2)		
Graphics	Up to 1759 MB		

All-round Workstations

CELSIUS



Windows®. Life without Walls™.
Fujitsu recommends Windows 7.

CELSIUS W410	
Operating system*	The low-cost gateway to workstation performance Genuine Windows® 7 Home Basic 32-bit Genuine Windows® 7 Home Premium 64-bit Genuine Windows® 7 Professional 32-bit Genuine Windows® 7 Professional 64-bit
Additional software (preinstalled)	Nero Essentials 5 (burning software) Fujitsu Recovery (Hard Disk Based Recovery)
Facts Mainboard	D3062 (proprietary)
Chipset	Intel® Q67
Processor Type, Second Level cache, Processor frequency	Intel® Core™ i7-2600 processor, 8 MB, 3.40 GHz Intel® Core™ i5-2500 processor, 6 MB, 3.30 GHz Intel® Core™ i5-2400 processor, 6 MB, 3.10 GHz Intel® Core™ i3-2100 processor, 3 MB, 3.10 GHz
Processor quantity maximum	1
Memory	up to 16 GB, 4 DIMM (DDR3) slot(s), Dual channel support., For dual channel performance, a minimum of 2 memory modules have to be ordered. Capacity per channel has to be the same. > 16 GB support with future memory modules
Serial ATA	6 x Serial ATA total
thereof eSATA	2 (optional) x thereof eSATA
Controller functions	Serial ATA II (3 Gbit), Serial ATA III (6 Gbit), NCQ, AHCI, Raid 1/0
Drives (optional)	DVD-ROM, SATA I DVD Super Multi, SATA I Blu-ray Disc™ Triple Writer, SATA I MultiCard Reader 20in1, USB 2.0, 3.5-Inch, USB 2.0 MultiCard Reader 20in1 USB 3.0 front con., 3.5-Inch, USB 3.0
Hard disk drive	SSD SATA, 256 GB, 2.5-inch SSD SATA, 128 GB, 2.5-inch SATA III, 10000 rpm, 600 GB, 3.5-inch SATA III, 7200 rpm, 1000 GB, 3.5-inch SATA III, 7200 rpm, 500 GB, 3.5-inch SATA III, 7200 rpm, 320 GB, 3.5-inch SATA II, 10000 rpm, 300 GB, 2.5-inch SATA II, 7200 rpm, 2000 GB, 3.5-inch, business critical SATA II, 7200 rpm, 1000 GB, 3.5-inch, business critical SATA II, 7200 rpm, 500 GB, 3.5-inch, business critical SATA II, 7200 rpm, 160 GB, 2.5-inch
Drive bays	2 x 3.5-inch external bay 2 x 3.5-inch internal bay 2 x 5.25-inch external bay 1 x 2.5-inch internal bay
Slots	1 x PCI-Express x1 1 x PCI-Express 2.0 x16 1 x PCI-Express 2.0 x4 (mech. x16) 1 x PCI slots
Interfaces	1 x Audio: line-in / microphone 1 x Audio: line-in 1 x Audio: line-out 1 x Front audio: headphone 1 x Front audio: microphone 14 x USB 2.0 total 4 x USB front 2 x USB internal 8 x USB rear 1 x DisplayPort 1 x Parallel (25pin with EPP and ECP) (optional) 1 x Serial (RS-232) (9pin, 16 byte FIFO, 16550 compatible) 1 x VGA (via DVI to VGA adapter) 1 x Ethernet (RJ-45) 1 x DVI 2 x eSATA (optional) 2 x Mouse / Keyboard (PS/2)
Graphics	Intel® HD Graphics or HD Graphics 2000 (depending on CPU), up to 1759 MB
Graphics features	Dual display support, DirectX 10.1, HDCP support, OpenGL® 2.1, For multi monitoring mode, graphics card and integrated graphics run in parallel (Microsoft® Windows 7® only)
Graphics	Midrange 3D: ATI FirePro™ V5800, 1 GB, PCIe x16, DL-DVI-I, 2 x DP Midrange 3D: NVIDIA® Quadro® 2000, 1 GB, PCIe x16, DL-DVI-I, 2 x DP Entry 3D: ATI FirePro™ V3800, 512 MB, PCIe x16, DL-DVI-I, DP Entry 3D: ATI FirePro™ V4800, 1 GB, PCIe x16, DL-DVI-I, 2 x DP Entry 3D: NVIDIA® Quadro® 600, 1 GB, PCIe x16, DL-DVI-I, DP Professional 2D: NVIDIA® Quadro® NVS 300, 512 MB, PCIe x16, 2 x DVI or 2 x DP Professional 2D: NVIDIA® Quadro® NVS 450, 512 MB, PCIe x16, 4 x DP Remote Graphics: CELSIUS RemoteAccess Card, PCIe x1, 2 x DVI-I
Audio codec	Conexant CX20642
LAN	10/100/1000 MBit/s Intel® 82579 LM
Weight	approx. 11 kg
Dimensions (W x D x H)	175 x 419 x 395 mm
Special features	Best-in-class noise emission, Certified for leading workstation applications, Halogen free mainboard, Made in Germany, Intel® vPro™ technology, Optimized thermal management system, Space saving design, USB and Audio in front
Standard Warranty Duration**	3 years (depending on country)
Service level**	On-Site Service (depending on country)

Mobile Workstation CELSIUS



Windows®. Life without Walls™.
Fujitsu recommends Windows 7.

CELSIUS H910	
	Workstation power-on-the-go
Operating system*	Genuine Windows® 7 Professional 64-bit
Chipset	Intel® QM67
Processor Type, Second Level cache, Processor frequency	Intel® Core™ i7-2920XM processor, 8 MB, 2.50 GHz Intel® Core™ i7-2820QM processor, 8 MB, 2.30 GHz Intel® Core™ i7-2720QM processor, 6 MB, 2.20 GHz Intel® Core™ i7-2620M processor, 4 MB, 2.70 GHz Intel® Core™ i5-2540M processor, 3 MB, 2.60 GHz Intel® Core™ i5-2520M processor, 3 MB, 2.50 GHz
Memory	Up to 16 GB, 2 DIMM (DDR3) slot(s) for DualCore processor, up to 32 GB, 4 DIMM (DDR3) slot(s) for QuadCore processor
Hard disk drive	2 x SSD SATA, 512 GB, 2.5-inch, full disk encryption 2 x HDD SATA, 7200 rpm, 1000 GB, 2.5-inch, S.M.A.R.T. 2 x HDD SATA, 7200 rpm, 750 GB, 2.5-inch, S.M.A.R.T. 2 x HDD SATA, 7200 rpm, 500 GB, 2.5-inch, S.M.A.R.T. SSD SATA, 512 GB, 2.5-inch, full disk encryption SSD SATA, 256 GB, 2.5-inch, full disk encryption SSD SATA, 128 GB, 2.5-inch, full disk encryption HDD SATA, 7200 rpm, 1000 GB, 2.5-inch, S.M.A.R.T. HDD SATA, 7200 rpm, 750 GB, 2.5-inch, S.M.A.R.T. HDD SATA, 7200 rpm, 500 GB, 2.5-inch, S.M.A.R.T. HDD SATA, 5400 rpm, 320 GB, 2.5-inch, S.M.A.R.T. FDE, 5400 rpm, 320 GB, 2.5-inch, S.M.A.R.T.
Interfaces	1 x Memory card slots (SD/MS/MSPro) 1 x ExpressCard slots 1 x SmartCard slot 1 x SIM card slot 1 x eSATA 3 x USB 2.0 total 1 x USB 3.0 total 1 x VGA 1 x DisplayPort 1 x Ethernet (RJ-45) 1 x DC-in 1 x Digital array microphone (internal microphones) 1 x Docking connector for Port Replicator 1 x Kensington Lock support
Display	43.9 cm (17.3-inch), LED backlight, (Full HD), Anti-glare display, magnesium, 1920 x 1080 pixel
Graphics brand name	NVIDIA® Quadro® 4000M or 3000M
Graphics features	DualView
Dedicated video memory	2 GB (GDDR3 VRAM)
Webcam	Optional: Built-in webcam, 2 megapixel, VGA camera
Weight	4.25 kg - Actual weight may vary depending on configuration
Dimensions (W x D x H)	417 x 287 x 33/44 mm
Runtime battery	Up to 2 h
Battery notes	Battery life may vary depending on product model, configuration, applications, power management settings and features utilized. Battery recharge time depends on usage.
Audio codec	Realtek ALC269
Audio features	Stereo speakers, 2 internal microphones
Embedded 3G/UMTS optional	Sierra Wireless Gobi 3000
Integrated WLAN optional	Atheros Minicard b/g/n Intel® Centrino® 6205 802.11 a/b/g/n
Antennas	2 Dual band WLAN antennas, 2 UMTS antennas
LAN	10/100/1000 MBit/s Intel® 82577 LM
Bluetooth optional	Bluetooth 3.0
Special features	Intel® Core™ Quad Extreme Edition processor, NVIDIA® Quadro® workstation graphics, Embedded mobile broadband access (3G/UMTS), Integrated fingerprint sensor, Modular bay, ShockSensor, SmartCard reader, TPM
Standard Warranty Duration**	3 years (depending on country)
Service level**	Collect & Return Service / Bring-In Service (depending on country)

Mobile Workstation CELSIUS



Windows®. Life without Walls™.
Fujitsu recommends Windows 7.

CELSIUS H710	
	Workstation power-on-the-go
Operating system*	Genuine Windows® 7 Professional 64-bit
Chipset	Intel® QM67
Processor Type, Second Level cache, Processor frequency	Intel® Core™ i7-2820QM processor, 8 MB, 2.30 GHz Intel® Core™ i7-2720QM processor, 6 MB, 2.20 GHz Intel® Core™ i7-2620M processor, 4 MB, 2.70 GHz Intel® Core™ i5-2540M processor, 3 MB, 2.60 GHz Intel® Core™ i5-2520M processor, 3 MB, 2.50 GHz
Memory	Up to 16 GB, 2 DIMM (DDR3) slot(s)
Hard disk drive	SSD SATA, 512 GB, 2.5-inch, full disk encryption SSD SATA, 256 GB, 2.5-inch, full disk encryption SSD SATA, 128 GB, 2.5-inch, full disk encryption HDD SATA, 7200 rpm, 1000 GB, 2.5-inch, S.M.A.R.T. HDD SATA, 7200 rpm, 750 GB, 2.5-inch, S.M.A.R.T. HDD SATA, 7200 rpm, 500 GB, 2.5-inch, S.M.A.R.T. HDD SATA, 5400 rpm, 320 GB, 2.5-inch, S.M.A.R.T. FDE, 5400 rpm, 320 GB, 2.5-inch, S.M.A.R.T.
Interfaces	1 x Memory card slots (SD/MS/MSPro) 1 x ExpressCard slots 1 x SmartCard slot 1 x PC-Card slot 1 x SIM card slot 1 x eSATA 3 x USB 2.0 total 1 x USB 3.0 total 1 x VGA 1 x DisplayPort 1 x Ethernet (RJ-45) 1 x DC-in 2 x Digital array microphones (internal microphones) 1 x Docking connector for Port Replicator 2 x Kensington Lock support
Display	39.6 cm (15.6-inch), LED backlight, (HD+), Anti-glare display, magnesium, 1600 x 900 pixel, 300:1, 220 cd/m ² 39.6 cm (15.6-inch), LED backlight, (Full HD), Anti-glare display, magnesium, 1920 x 1080 pixel
Graphics brand name	NVIDIA® Quadro® 1000M
Graphics features	DualView
Dedicated video memory	2 GB
Webcam	Optional: Built-in webcam, 2 megapixel, VGA camera
Weight	2.75 kg - Actual weight may vary depending on configuration
Dimensions (W x D x H)	372 x 255 x 36 mm
Runtime battery	Up to 5 h / up to 8 h
Battery notes	Battery life may vary depending on product model, configuration, applications, power management settings and features utilized. Battery recharge time depends on usage.
Audio codec	Realtek ALC269
Audio features	Stereo speakers, 2 internal microphones
Embedded 3G/UMTS optional	Sierra Wireless Gobi 3000
Integrated WLAN optional	Atheros Minicard b/g/n Intel® Centrino® 6205 802.11 a/b/g/n
Antennas	2 Dual band WLAN antennas, 2 UMTS antennas
LAN	10/100/1000 MBit/s Intel® 82579 LM
Bluetooth optional	Bluetooth 2.1
Modular bay options	DVD Super Multi Blu-ray Disc™ Triple Writer Weight saver 2nd battery 2nd hard disk drive
Special features	Intel® Core™ Quad processor, NVIDIA® Quadro® workstation graphics, Embedded mobile broadband access (3G/UMTS), Integrated fingerprint sensor, Modular bay, ShockSensor, SmartCard reader, TPM
Standard Warranty Duration**	3 years (depending on country)
Service level**	Collect & Return Service / Bring-In Service (depending on country)

Remote Access Solution CELSIUS



Windows®. Life without Walls™.
Fujitsu recommends Windows 7.

CELSIUS Remote Access	
	True, uncompromised workstation experience over IP networks
Display Data Input	True, uncompromised PC experience over IP networks, supporting dual DVI at 1920 x 1200. Transparent USB and HD audio bridging, USB device authorization and encrypted communications. Hardware bridging eliminates need for drivers and enables true OS and application independence.
Graphics (15-pin)	Two independent displays, Parallel pixel data input, Display Data Channel (DDC) 24-bit pixel depth Video signal frequency from 25 to 165 MHz
10/100/1000 Ethernet Media Access Controller	Dedicated for PC-over-IP traffic, Auto-negotiation of link speed and duplex mode, Wake On LAN 802.1Q VLAN tagging supports segregating PC-over-IP traffic to a separate logical network
Audio	High Definition Audio serial link
USB	4 x USB ports USB controller USB device authorization
Security	All Host-Portal communication encrypted with 128-bit AES Management communication protected by SSL
Dimensions (W x D x H)	226 x 45 (Stand 80) x 135 mm
Weight	0.86 kg
Standard Warranty Duration**	3 years (depending on country)
Service level**	On-Site / Bring-In Service (depending on country)

* Windows® XP Downgrade

Use of Microsoft® Windows® XP

End of October 2010 Microsoft stopped the shipment of OEM Downgrade Media for Microsoft® Windows® XP **together** with a system.

1. Customers can still get the **Downgrade Medium for Microsoft® Windows® XP for Fujitsu client systems** pre-installed with one of the following operating systems:

- Windows® 7 Professional
- Windows® 7 Ultimate
- Windows Vista® Business

End users are allowed to order a Downgrade Medium for Microsoft® Windows® XP at extra costs until end of July 2011 if they have purchased a Fujitsu client system together with one of the OEM products listed above.

For more information about ordering a Downgrade Medium for Microsoft® Windows® XP via Fujitsu Support please see:

ts.fujitsu.com/support/xpdowngrade.html

2. **Use of Microsoft® Windows® XP Mode in combination with Windows® 7**

Windows® 7 offers the possibility to run applications in Microsoft® Windows® XP Mode. This software can be downloaded from the Microsoft webpage free of charge:

microsoft.com/windows/virtual-pc/download.aspx

Following Microsoft products offer the possibility to run the Microsoft® Windows® XP Mode:

- Windows® 7 Professional
- Windows® 7 Enterprise
- Windows® 7 Ultimate

3. **Pre-installation of Microsoft® Windows® XP via Fujitsu project support (Customizing Service)**

Fujitsu offers a special support to ship systems with Microsoft® Windows® XP pre-installed at extra costs for customers with at least 25 ordered systems annually.

To get further information please visit:

ts.fujitsu.com/products/made4you/

Recovery Media for Microsoft® Windows® XP are not shipped.

If in addition a Downgrade Medium for Microsoft® Windows® XP is needed it has to be ordered separately via Fujitsu Support (see 1.).

Order No.:

- Fujitsu Technology Solutions: A26361-K1007-Z172-1-7419, edition 1
- Fujitsu Ltd.: B5FH-D804-01DE-00

** Services

For today's business leaders and IT executives the question is not only what needs to be done, but how to do it quickly and effectively while still optimizing overall IT spending.

This is where Fujitsu can really help. We can provide you with a complete range of infrastructure services that allow you to deliver on this promise while reducing overall costs, improving ROI and still delivering outstanding service quality for your users.

Warranty comes standard with our products; it starts from the time of sale and is valid for a defined period of time. Minimum standard warranty is 12 months. The period and service level vary depending on product type and local regulations. Our ServicePack/Contract Hardware as part of Fujitsu's Maintenance and Support Services offering is the perfect extension on top of the standard warranty with various options of duration and of response or recovery time to fit customer needs and a flexible payment concept either up-front or on a regular basis.

For more information regarding Managed Services, Integration Services, Maintenance and Support Services or Financial Services please visit ts.fujitsu.com/services

Expertise you can count on, wherever and whenever you need it.

The warranty can be claimed to the extent that the service concerned is available in the respective country. Please note that availability of all services cannot be guaranteed in all countries. The warranty agreed at the time of purchase may differ from the standard warranty stated here. In addition, as the customer you may have a right to legal claims not restricted by these warranty conditions.

Published by

Fujitsu Technology Solutions

Mies-van-der-Rohe-Strasse 8,
80807 Munich, Germany

Copyright: © Fujitsu Technology Solutions 02/2011

Printed in Germany

Realization: www.chromedia.de (CM13980)

Order-No.: 10808-2-0211-EN 10

Contact: ts.fujitsu.com/contact

The latest technical data can be found on the Fujitsu Technology Solutions websites and in the corresponding data sheets. All rights reserved, including intellectual property rights. Technical data subject to modifications 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. Product pictures may vary from the original product.

ts.fujitsu.com