Workstations fuel innovations and drive digitalization

For more Information, visit: www.fujitsu.com/global/products/computing(pc)/workstations
What Is A Workstation?
Do you still wonder what a workstation is? Maybe just another name for a workplace? Or a PC? Let’s be honest: Unless you are working in the IT industry, did you ever hear about the term ‘workstation’ before?

The Formula 1 Of Personal Computers
Workstations were invented about 30 years ago for one key reason: bringing high-end graphics and server compute capabilities to the personal computer. Thanks to several inventions in the 1990s – Microsoft’s Windows 95, Intel’s striking new processor technology, 3D graphics cards – it was one company who started to think about a ‘personal workstation’: Fujitsu – under the brand CELSIUS.

It’s All About The Graphics
New technologies like virtual reality, deep learning, the increasing demand in high-end visualization drive for an increase in workstation power: unmatched processor and graphics performance, expandability, flexibility, reliability. Exciting times for people who require the utmost in performance.

Get on the journey with us!
Data Isn't Just Data - At The Very Core It’s A Question Of...
The Next Wave Of Enterprise Performance: Graphics Power

Companies use 30 to 50 different applications. 50% of the enterprise users require graphics performance - and this is just the beginning.

Need for graphical power:
- Pen
- 2D Data
- 3D Data
- 3D Realities
- Blockchain
- Deep Learning

Amount of data is rising exponentially.
Workstations Are Your Turbo Boost
Workstations Are Used In Every Vertical Field

“Today, workstations are used in every major industry for tasks ranging from financial modelling to designing complex buildings, and vehicles. Workstations have become standard equipment for engineers, content creators, analysts, and others who need the highest levels of performance, visualizations, and data integrity.”

Intel® Xeon® Processors for Workstations – Product Brief

© Autodesk. Image Courtesy of Autodesk.
## Key Application Fields

**CAD**
- Computer Aided Design

**CAE & SIM**
- Computer Aided Engineering & Simulation

**AEC**
- Architecture, Engineering & Construction

**M&E**
- Media & Entertainment

**GIS, O&G**
- Geographic Information System, Oil & Gas

**HEALTHCARE**

## Typical Industries

### All product development driven industries (like automotive, aerospace, railways, etc.)
- All industries
- Plants and shipbuilding
- Tunnels and bridges
- Urban planning
- Broadcasting
- Film and animation studios
- Agencies and marketing
- Defense and government
- Science and research
- Cartography
- Transportation
- Hospitals
- Chemistry and Pharmacology
- Biotechnology

## Key Applications

- Autodesk AutoCAD/Inventor
- Dassault Systèmes CATIA/SOLIDWORKS
- PTC Creo
- ANSYS (Fluent, CFX)
- Autodesk (Revit)
- MSC Software (Nastran)
- Siemens PLM
- Autodesk (Revit)
- Bentley (Microstation)
- Nemetschek (Allplan)
- Adobe (Premiere Pro)
- Autodesk (Maya, 3ds Max)
- AVID (Media Composer)
- ESRI (ArcGIS)
- Intergraph (Geomedia)
- Halliburton (Landmark)
- Schlumberger (Petrel)
- Siemens Healthcare (Syngo)
- Mostly in-house developed software

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*For more information, please download the [Workstation Positioning Card](#) and the [ISV Certification White Paper](#)*
12 Reasons To Buy A Workstation Over A Standard Notebook Or PC

Outstanding Performance

- Processors:
  - Intel® Xeon® single and dual-processor
  - Up to 2 x 28 cores
  - High frequencies (up to 5.30 GHz)
- High-speed memory: DDR4 memory with up to 2,933 MHz
- Professional graphics cards from AMD and NVIDIA

Maximum Reliability

- Workstation ISV certification
- Server-class technology: i.e. RAID capable storage, SAS controller, ECC memory (error-correcting-code), Xeon processors
- Form factor and power supply characteristics more conducive for high thermal and electrical demands
- Long lifecycles of minimum 36 months
- Support of 24/7 operation (business critical and enhances availability drives)

Unrivaled Expandability

- Maximum component selection (processors, graphics cards and hard drives)
- Graphics:
  - Up to 3x graphics cards
  - Full height graphics
  - Optional configurable
- Plentiful expansion bays
- Serviceability: front access storage, cable free & toolless design
## Why Fujitsu Workstations?

<table>
<thead>
<tr>
<th>Mobile Workstation</th>
<th>Desktop Workstation</th>
<th>Rack Workstation</th>
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<tbody>
<tr>
<td><strong>CELSIUS H</strong> (15.6&quot;)</td>
<td><strong>CELSIUS J</strong> (Small Form Factor)</td>
<td><strong>CELSIUS R</strong> (Big Tower)</td>
</tr>
<tr>
<td>Maximum security through PalmSecure™</td>
<td>8.3 &amp; 10 l housing Full-height graphics (up to NVIDIA® Quadro® P2200) PCI slot</td>
<td>Network: 10Gbit via OCP PCI slot</td>
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<tr>
<td>Support for virtual reality Serviceability (incl. removable battery)</td>
<td>Smallest VR-ready workstation (21 liter design) Front access storage (cold plug) Long Lifecycle</td>
<td>1U rack (density in the datacenter) Optimized for professional graphics Scalability</td>
</tr>
<tr>
<td><strong>CELSIUS W</strong> (Micro Tower)</td>
<td><strong>CELSIUS M</strong> (Midi Tower)</td>
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<td></td>
<td>Service friendly: cable free, toolless, cold plug PSU Expandability</td>
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<tr>
<td><strong>CELSIUS C</strong> (19&quot; Rack)</td>
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Why Fujitsu?
Small Enough to Care - Big Enough to Deliver

- **30** years of workstation experience
- **83** years of Fujitsu history
- Excellent service partner concept with 5 centers (Portugal, Poland, Malaysia, Philippines, Costa Rica) covering 33 languages

- Top four global workstation player
- Among FORTUNE’s top 500 global companies
- Customization "Made4You": Tailored project logistic & broad portfolio, incl. bulk-packaging, personalization, BIOS and firmware freeze

- Strong engineering skill set ranging from systemboard to business client devices
- The ultimate security: Fujitsu’s patented palm vein technology. More secure than iris or fingerprint scans.
Testimonials
Here’s what our customers say:

**M&E**
Media and Entertainment

“CELSIUS workstations made photogrammetry possible for our project. We accelerated our work time per episode by about 30% and reduced animation production time by almost six months.”

Yoshinori Asao
President
Gaina Co., Ltd., Japan

**GIS**
Geographic Information System

“As it can take more than twelve hours to analyze the data that the drones gather during their flights, having reliable, stable systems is essential. With Fujitsu, we get exactly that.”

Sascha Heising
Chief Technology Officer
GeoMon, Germany

**AEC**
Architecture, Engineering and Construction

“Time pressure and a complex subject always mean a battle with our own limitations. I always hope that at least the equipment I’m using is reliable.”

Dariusz Siroj
Architect
Basis, Poland

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