

User Manual for FUJITSU CPU Guide

The easy way to find the right Intel® Xeon® Processor Scalable Family for your workload

We developed the CPU-Guide with just one thing in mind: ease of configuration for you. Since Intel® changed the naming scheme for the its Intel® Xeon® Processor Scalable Family, this guide will help you to find out what the best processor for your request is.

Preliminary tasks to perform:

Please check first, if Microsoft® Windows Access® is installed on your system. If yes, proceed with downloading the FUJITSU CPU-Guide, if not, please move on with the following steps:

1. Go to <https://www.microsoft.com/en-us/download/details.aspx?id=50040> and download a runtime version applicable to your personal system
2. Install the runtime

Download the FUJITSU CPU-Guide

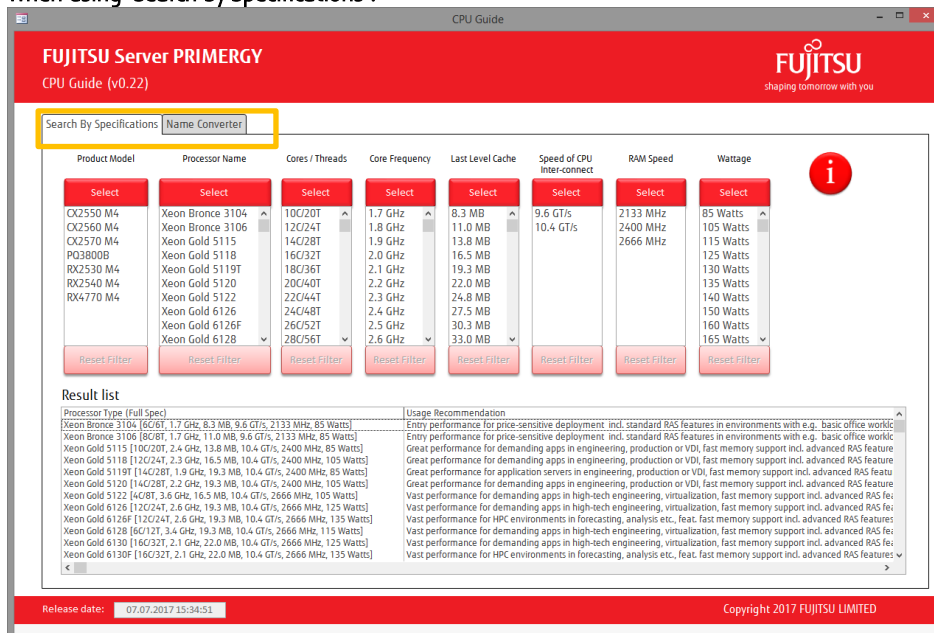
1. Go to [PRINCE](#) or download the file directly via this link:
 - a. 32-bit version: <http://docs.ts.fujitsu.com/dl.aspx?id=9ee07303-61e5-465f-8524-8c36ec99b64e>
 - b. 64-bit version: <http://docs.ts.fujitsu.com/dl.aspx?id=1991e562-bae6-491f-8d5f-4f0f0477acb>
2. **IMPORTANT:** Save the file to your local disk, do not open from your temporary files via the browser!
3. Once downloaded, the CPU-Guide will perform an automatic update on the database underneath providing you always with the latest information.
4. As soon as the update window has closed, you can start using the guide

Use of the FUJITSU CPU-Guide

Select the main tab on the top of the screen

- Either "Search by Specifications"
- or "Name Converter"

When using "Search by Specifications":



FUJITSU Server PRIMERGY
CPU Guide (v0.22)

Search By Specifications | Name Converter

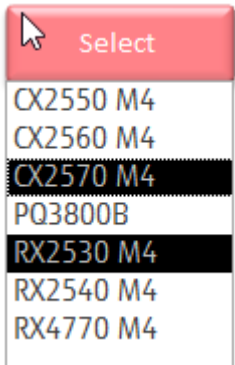
Product Model	Processor Name	Cores / Threads	Core Frequency	Last Level Cache	Speed of CPU Inter-connect	RAM Speed	Wattage
Select	Select	Select	Select	Select	Select	Select	Select
OX2550 M4	Xeon Bronze 3104	10C/20T	1.7 GHz	8.3 MB	9.6 GT/s	2133 MHz	85 Watts
OX2560 M4	Xeon Bronze 3106	12C/24T	1.8 GHz	11.0 MB	10.4 GT/s	2400 MHz	105 Watts
OX2570 M4	Xeon Gold 5115	14C/28T	1.9 GHz	13.8 MB		2666 MHz	115 Watts
PO3800B	Xeon Gold 5118	16C/32T	2.0 GHz	16.5 MB			125 Watts
RX2530 M4	Xeon Gold 5119T	18C/36T	2.1 GHz	19.3 MB			130 Watts
RX2540 M4	Xeon Gold 5120	20C/40T	2.2 GHz	22.0 MB			135 Watts
RX4770 M4	Xeon Gold 5122	22C/44T	2.3 GHz	24.8 MB			140 Watts
	Xeon Gold 6126	24C/48T	2.4 GHz	27.5 MB			150 Watts
	Xeon Gold 6126F	26C/52T	2.5 GHz	30.3 MB			160 Watts
	Xeon Gold 6128	28C/56T	2.6 GHz	33.0 MB			165 Watts

Result list

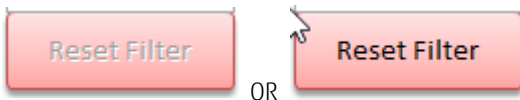
Processor Type (Full Spec)	Usage Recommendation
Xeon Bronze 3104 (6C/6T, 1.7 GHz, 8.3 MB, 9.6 GT/s, 2133 MHz, 85 Watts)	Entry performance for price-sensitive deployment incl. standard RAS features in environments with e.g. basic office work
Xeon Bronze 3106 (8C/8T, 1.7 GHz, 11.0 MB, 9.6 GT/s, 2133 MHz, 85 Watts)	Entry performance for price-sensitive deployment incl. standard RAS features in environments with e.g. basic office work
Xeon Gold 5115 (10C/20T, 2.4 GHz, 13.8 MB, 10.4 GT/s, 2400 MHz, 85 Watts)	Great performance for demanding apps in engineering, production or VDI, fast memory support incl. advanced RAS feature
Xeon Gold 5118 (12C/24T, 2.3 GHz, 16.5 MB, 10.4 GT/s, 2400 MHz, 105 Watts)	Great performance for demanding apps in engineering, production or VDI, fast memory support incl. advanced RAS feature
Xeon Gold 5119T (14C/28T, 1.9 GHz, 19.3 MB, 10.4 GT/s, 2400 MHz, 85 Watts)	Great performance for application servers in engineering, production or VDI, fast memory support incl. advanced RAS feature
Xeon Gold 5120 (14C/28T, 2.2 GHz, 19.3 MB, 10.4 GT/s, 2400 MHz, 105 Watts)	Great performance for demanding apps in engineering, production or VDI, fast memory support incl. advanced RAS feature
Xeon Gold 5122 (16C/32T, 3.6 GHz, 16.5 MB, 10.4 GT/s, 2666 MHz, 105 Watts)	Vast performance for demanding apps in high-tech engineering, virtualization, fast memory support incl. advanced RAS fe
Xeon Gold 6126 (12C/24T, 2.6 GHz, 19.3 MB, 10.4 GT/s, 2666 MHz, 125 Watts)	Vast performance for demanding apps in high-tech engineering, virtualization, fast memory support incl. advanced RAS fe
Xeon Gold 6126F (12C/24T, 2.6 GHz, 19.3 MB, 10.4 GT/s, 2666 MHz, 125 Watts)	Vast performance for demanding apps in high-tech engineering, virtualization, fast memory support incl. advanced RAS fe
Xeon Gold 6128 (16C/32T, 3.4 GHz, 19.3 MB, 10.4 GT/s, 2666 MHz, 115 Watts)	Vast performance for demanding apps in high-tech engineering, virtualization, fast memory support incl. advanced RAS fe
Xeon Gold 6130 (16C/32T, 2.1 GHz, 22.0 MB, 10.4 GT/s, 2666 MHz, 125 Watts)	Vast performance for demanding apps in high-tech engineering, virtualization, fast memory support incl. advanced RAS fe
Xeon Gold 6130F (16C/32T, 2.1 GHz, 22.0 MB, 10.4 GT/s, 2666 MHz, 135 Watts)	Vast performance for HPC environments in forecasting, analysis etc., feat. fast memory support incl. advanced RAS fe

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When you use the “Search by Specifications” – Tab, you can select values from each of the categories as you wish. To select more than one value, hold down your CTRL key when selecting and confirm with a click on the select button.



Any selection made can be de-selected by clicking the respective button underneath the category; the tool updates the results list immediately. If a filter is NOT selected, the button will be greyed out and inactive, otherwise it will become black and active:



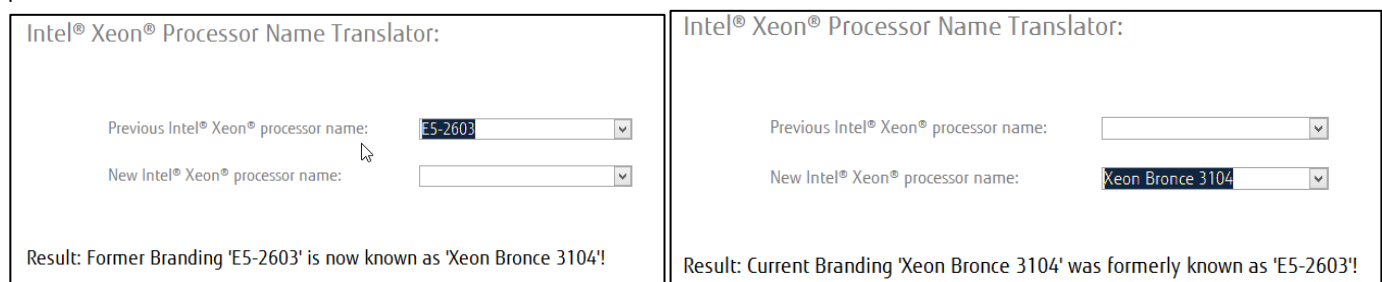
The result list will display only the available processors according to your selection. Use the scroll bar to fully read all text elements provided. They also deliver insights on how processors differ from each other.

Result list

Processor Type [Full Spec]	Usage Recommendation
Xeon Gold 6130 [16C/32T, 2.1 GHz, 22.0 MB, 10.4 GT/s, 2666 MHz, 125 Watts]	Vast performance for demanding apps in high-tech engineering, virtualization, fast memory support incl. advanced RAS featur
Xeon Gold 6138 [20C/40T, 2.0 GHz, 27.5 MB, 10.4 GT/s, 2666 MHz, 125 Watts]	Vast performance for demanding apps in high-tech engineering, virtualization, fast memory support incl. advanced RAS featur
Xeon Gold 6142 [16C/32T, 2.6 GHz, 22.0 MB, 10.4 GT/s, 2666 MHz, 150 Watts]	Vast performance for demanding apps in high-tech engineering, virtualization, fast memory support incl. advanced RAS featur
Xeon Gold 6142M [16C/32T, 2.6 GHz, 22.0 MB, 10.4 GT/s, 2666 MHz, 150 Watts]	Vast performance for large-scale virtualization, digital manufacturing, financial apps, w/ ultra-fast memory support of 1.5TB/sc
Xeon Gold 6148 [20C/40T, 2.4 GHz, 27.5 MB, 10.4 GT/s, 2666 MHz, 150 Watts]	Vast performance for demanding apps in high-tech engineering, virtualization, fast memory support incl. advanced RAS featur
Xeon Platinum 8153 [16C/32T, 2.0 GHz, 22.0 MB, 10.4 GT/s, 2666 MHz, 125 Watts]	Best possible performance ideal for database processing, HPC and full-throttle apps incl. advanced RAS features and 3 UPI link

When using the name converter:

You can select either the “old” naming or alternatively the new naming to get the equivalent.



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