

AMD Ryzen™ PRO Processors with Radeon™ Graphics for Business Desktops (Socket AM5)

Series	Badge	Model	Cores /Threads	Frequency Boost ²	Cache L2 + L3	Graphics	Node	TDP	AMD PRO technologies	AMD Ryzen™ AI	Compared To
AMD RYZEN™ PRO 8000 SERIES DESKTOP PROCESSORS	 PID: 242470456-A	AMD Ryzen™ 7 PRO 8700G	8 / 16	up to 5.1 GHz	24 MB	AMD Radeon™ 780M	4nm	45-65W	✓	✓	Intel Core i7-14700
	 PID: 242470456-A	AMD Ryzen™ 7 PRO 8700GE	8 / 16	up to 5.1 GHz	24 MB	AMD Radeon™ 780M	4nm	35W	✓	✓	Intel Core i7-14700T
	 PID: 242470455-A	AMD Ryzen™ 5 PRO 8600G	6 / 12	up to 5.0 GHz	22 MB	AMD Radeon™ 760M	4nm	45-65W	✓	✓	Intel Core i5-14500
	 PID: 242470455-A	AMD Ryzen™ 5 PRO 8600GE	6 / 12	up to 5.0 GHz	22 MB	AMD Radeon™ 760M	4nm	35W	✓	✓	Intel Core i5-14500T
	 PID: 242470455-A	AMD Ryzen™ 5 PRO 8500G	6 / 12	up to 5.0 GHz	22 MB	AMD Radeon™ 740M	4nm	45-65W	✓	N/A	Intel Core i5-14500
	 PID: 242470455-A	AMD Ryzen™ 5 PRO 8500GE	6 / 12	up to 5.0 GHz	22 MB	AMD Radeon™ 740M	4nm	35W	✓	N/A	Intel Core i5-14500T
	 PID: 242470454-A	AMD Ryzen™ 3 PRO 8300G	4 / 8	up to 4.9 GHz	12 MB	AMD Radeon™ 740M	4nm	45-65W	✓	N/A	Intel Core i3-14100
	 PID: 242470454-A	AMD Ryzen™ 3 PRO 8300GE	4 / 8	up to 4.9 GHz	12 MB	AMD Radeon™ 740M	4nm	35W	✓	N/A	Intel Core i3-14100T

1. This chart illustrates competitive product positioning, is not necessarily an indication of relative performance and may not be to scale for any performance metric. GD-75

2. Max boost for AMD Ryzen and Athlon processors is the maximum frequency achievable by a single core on the processor running a bursty single-threaded workload. Max boost will vary based on several factors, including, but not limited to thermal paste; system cooling; motherboard design and BIOS; the latest AMD chipset driver; and the latest OS updates. GD-150

AMD Ryzen™ PRO Processors with Radeon™ Graphics for Business Desktops (Socket AM5)

Series	Badge	Model	Cores /Threads	Frequency Boost ²	Cache L2 + L3	Graphics	Node	TDP	AMD PRO technologies	Compared To
AMD RYZEN™ PRO 7000 SERIES DESKTOP PROCESSORS	 PID: 19259038	AMD Ryzen™ 9 PRO 7945	12 / 24	up to 5.4 GHz	76 MB	AMD Radeon™ Graphics	5nm	65W	✓	Intel Core i9-13900
	 PID: 1711306	AMD Ryzen™ 7 PRO 7745	8/16	up to 5.3 GHz	40 MB	AMD Radeon™ Graphics	5nm	65W	✓	Intel Core i7-13700
	 PID: 1711462	AMD Ryzen™ 5 PRO 7645	6/12	up to 5.1 GHz	38 MB	AMD Radeon™ Graphics	5nm	65W	✓	Intel Core i5-13600

1. This chart illustrates competitive product positioning, is not necessarily an indication of relative performance and may not be to scale for any performance metric. GD-75
2. Max boost for AMD Ryzen and Athlon processors is the maximum frequency achievable by a single core on the processor running a bursty single-threaded workload. Max boost will vary based on several factors, including, but not limited to thermal paste; system cooling; motherboard design and BIOS; the latest AMD chipset driver; and the latest OS updates. GD-150

AMD Ryzen™ PRO Processors with Radeon™ Graphics for Business Desktops (Socket AM4)

Series	Badge	Model	Cores /Threads	Frequency Boost ² / Base	Cache L2 + L3	Graphics	Node	TDP	AMD PRO technologies	Compared To
AMD RYZEN™ PRO 5000 SERIES DESKTOP PROCESSORS		AMD Ryzen™ 7 PRO 5750G	8/16	up to 4.6/3.8 GHz	20 MB	AMD Radeon™ Graphics (8 Cores)	7nm	65W	✓	Intel Core i7-11700
		AMD Ryzen™ 7 PRO 5750GE	8/16	up to 4.6/3.2 GHz	20 MB	AMD Radeon™ Graphics (8 Cores)	7nm	35W	✓	Intel Core i7-11700T
		AMD Ryzen™ 5 PRO 5650G	6/12	up to 4.4/3.9 GHz	19 MB	AMD Radeon™ Graphics (7 Cores)	7nm	65W	✓	Intel Core i5-11600
		AMD Ryzen™ 5 PRO 5650GE	6/12	up to 4.4/3.4 GHz	19 MB	AMD Radeon™ Graphics (7 Cores)	7nm	35W	✓	Intel Core i5-11600T
AMD RYZEN™ PRO 4000 SERIES DESKTOP PROCESSORS		AMD Ryzen™ 7 PRO 4750G	8/16	up to 4.4 /3.6 GHz	12 MB	AMD Radeon™ Graphics (8 Cores)	7nm	65W	✓	Intel Core i7-10700
		AMD Ryzen™ 7 PRO 4750GE	8/16	up to 4.3 /3.1 GHz	12 MB	AMD Radeon™ Graphics (8 Cores)	7nm	35W	✓	Intel Core i7-10700T
		AMD Ryzen™ 5 PRO 4650G	6/12	up to 4.2 /3.7 GHz	11 MB	AMD Radeon™ Graphics (7 Cores)	7nm	65W	✓	Intel Core i5-10600
		AMD Ryzen™ 5 PRO 4650GE	6/12	up to 4.2 /3.3 GHz	11 MB	AMD Radeon™ Graphics (7 Cores)	7nm	35W	✓	Intel Core i5-10600T
		AMD Ryzen™ 3 PRO 4350G	4/8	up to 4.0 /3.8 GHz	6 MB	AMD Radeon™ Graphics (6 Cores)	7nm	65W	✓	Intel Core i3-10100
		AMD Ryzen™ 3 PRO 4350GE	4/8	up to 4.0 /3.5 GHz	6 MB	AMD Radeon™ Graphics (6 Cores)	7nm	35W	✓	Intel Core i3-10100T

1. This chart illustrates competitive product positioning, is not necessarily an indication of relative performance and may not be to scale for any performance metric. GD-75

2. Max boost for AMD Ryzen and Athlon processors is the maximum frequency achievable by a single core on the processor running a bursty single-threaded workload. Max boost will vary based on several factors, including, but not limited to thermal paste; system cooling; motherboard design and BIOS; the latest AMD chipset driver; and the latest OS updates. GD-150