SHORTCUTS FUSION™ SYSTEM REQUIREMENTS

Before installing Shortcuts or upgrading your system, please ensure that your computer meets these requirements. If you're not sure, please feel free to reach out to your Shortcuts representative who will be able to check this for you.

PERFORMANCE REQUIREMENTS

	CPU passmark score	RAM	Free hard drive space
Server requirements			
No additional terminals/remote connections (standalone)	2000+	8GB+	10GB+
1-2 additional terminals/remote connections	3500+	8GB+	10GB+
3-4 additional terminals/remote connections	6000+	8GB+	10GB+
5+ additional terminals/remote connections Please contact us prior to deciding on a machine to implement as a server	8000+	16GB+	10GB+
Client requirements			
Per client (additional terminal)	2000+	8GB+	10GB+

SOFTWARE REQUIREMENTS

	Standalone server or client	Server: Up to 4 additional terminals connected	Server: 5 or more additional terminals connected
Microsoft Windows 10 Pro	♦	♦	
Microsoft Windows 8 Pro	♦	♦	Please contact Shortcuts to discuss requirements.
Microsoft Windows Server 2012	●	●	
Mac supported on Boot Camp (with Windows installed)	●	●	
Mac supported on Parallels/ VMWare Fusion (with Windows installed)	●	●	

KEY

♦ = Recommended and supported   ● = Supported

HINT

Need help finding your CPU passmark score? Turn to page 2 for details.

RECOMMENDATIONS

- We recommend using SSD drives over hard drives for the best performance.
- If you would like to use an operating system not listed here, please contact Shortcuts to assess its suitability.
- We strongly recommend that you invest in a reputable and configurable antivirus software.

BOOTCAMP

- This is our recommended configuration.
- BootCamp is a free tool that allows Windows to run on your Mac.
- You will need to purchase a Windows license.
- Bootcamp allows Windows to use all of the computing power available.

PARALLELS OR VMWARE FUSION

- If you prefer this solution, we recommend you install twice the recommended RAM on your Mac. This is because the Mac operating system and the Windows operating system will be running at the same time. If you do not install more RAM, Windows will only be able to access half of the computing resources of your Mac.
- You will need to purchase either Parallels or VMWare Fusion and a Windows license.
- You may need to seek additional assistance from a reputable technician to successfully implement Parallels VMWare Fusion.
- You will not be able to use Shortcuts Integrated EFTPOS terminals when using Parallels or VMWare Fusion.

INTERNET AND NETWORK REQUIREMENTS

- Shortcuts supports both wireless and cabled/local area network. Cabled/local area networks tend to provide additional stability.

- If you are using an integrated payment provider or credit card system, we recommend you use a cabled local area network.

- You will need a high speed internet connection.

FIND YOUR CPU PASSMARK SCORE

A CPU passmark score indicates how fast your computer really is. The bigger your score, the faster it is. It's that simple!

Your CPU passmark score must meet the requirements outlined in the performance requirements table on page 1.

STEP 1: FIND YOUR CPU

You can find your CPU by asking your local retailer, or by following these steps.

1. Open Windows Explorer/File Explorer

2. Right click on Computer/This PC

3. Click Properties

4. Find your CPU under the System > Processor heading:

STEP 2: LOOK UP YOUR CPU PASSMARK SCORE

1. Visit www.cpubenchmark.net/cpu_list.php

2. Enter your CPU details in the Find a CPU field. You won't need to enter your entire CPU, just the details highlighted below:

3. Your CPU will appear, highlighted in yellow, with the CPU passmark score directly to the right.

Single CPU Systems

CPU Name	Passmark CPU Mark (higher is better)
686 Gen	288
AMD A4 Micro-6400T APU	1561
AMD A4 PRO-3340B	2759
AMD A4 PRO-7300B APU	2448
AMD A4 PRO-7350B	2794
AMD A4-1200 APU	644
AMD A4-1250 APU	603
AMD A4-3300 APU	1534
Intel Core i5-4288U @ 2.60GHz	4441
Intel Core i5-4300M @ 2.60GHz	4392
Intel Core i5-4300U @ 1.90GHz	3751
Intel Core i5-4300Y @ 1.60GHz	2531
Intel Core i5-4302Y @ 1.60GHz	2992
Intel Core i5-4308U @ 2.80GHz	4652
Intel Core i5-4310M @ 2.70GHz	4434
Intel Core i5-4310U @ 2.00GHz	3742
Intel Core i5 4330M @ 2.80GHz	4676

STEP 3: CHECK YOUR CPU PASSMARK SCORE

Check this score against the table on page 1.

NEED HELP?

If you have any questions or encounter any difficulties choosing the right computer please call our helpdesk on **1300 667 374.**

SHORTCUTS
SMARTER BUSINESS TECHNOLOGY