System requirements

for PADSY 64 Version 7.6 and its applications

In order to ensure the proper functioning of the PADSY Patient Diagnostic System and its applications, the system requirements mentioned here must be met. Please check whether your PC meets these requirements before installing the software.
PADSY can, in principle, be seamlessly integrated into existing computer and network infrastructures. Nevertheless, it cannot be ruled out that in exceptional cases, adjustments to the existing hardware or software installation may be necessary to ensure PADSY operates reliably, and these will be charged.
If you want to operate PADSY with its applications together with other software applications (which are not from Medset) on one computer, the system must meet the higher set of requirements, and the minimum amount of RAM/processor power for each application must be available (even when in parallel operation). When using computers that only meet the minimum requirements, performance can be reduced.

Requirements for your computer

General

If you decide to use PADSY and one or more of its applications, a DVD drive on the PC where you want to install PADSY is mandatory, since PADSY and its applications are provided to you on a DVD.

Please note that you need a PDF viewer to open and read the user manual.

Operating system

Table 1: Operating system

Microsoft	Apple
Windows 10 (64 Bit)	macOS 10.14 - Mojave (64 Bit)
Windows 11 (64 Bit)	macOS 10.15 - Catalina (64 Bit)
Windows Server 2016 and 2019 and 2022 (64 Bit) (also with „Windows Terminal Services and compatible systems)	macOS 11 - Big Sur (64 Bit)
	macOS 12 - Monterey (64 Bit)
	macOS 13 - Ventura (64 Bit)
	macOS 14 - Sonoma (64 Bit)

It is not possible to control locally connected hardware when installing PADSY on server operating systems and for use in "Windows Terminal Services".

Computer hardware

Processor

Table 2: Processor

macOS	Windows	Windows Terminalservices
Intel or Apple Silicon	Intel or AMD Dual (minimum: 1,8 GHz, recommendation: Intel Core i3, i5 or i7 from 2.0 GHz on)	Upon request

"Low-power"/"low-cost" processors of the Intel Atom/AMD Fusion class or comparable systems from other manufacturers, such as are often used for "Netbooks" or "Nettops", are **not** suitable for PADSY recording stations.

Memory

Table 3: Memory

64 Bit Systems
At least 4 GB freely available (recommendation: 8 GB)

When installing ECG management systems, a larger working memory of at least 8 GB is required. For installations on Windows Terminal Server, the available system resources must be adjusted to the number of simultaneous users.

Disc space

Table 4: Disc space

Application	Storage capacity
PADSY installation:	At least 1 GB (depend of the size data base)
PADSY ECG:	Approx. 180 kB to 2 MB / recording
PADSY Ergo:	Approx. 0.6 MB / minute (approx. 10 MB / recording)
PADSY Holter:	Approx. 50 MB / recording (depending on the recorder and recording type: 10 MB – 200 MB / recording)
PADSY RR:	Approx. 10 kB / recording
PADSY Spiro:	Approx. 400 kB / recording

Monitor / graphics

Table 5: Monitor / graphics

Function	Requirements
Resolution:	At least 1024 x 768 (recommendation: > 1440 x 900 pixels)
Colour depth:	At least 16 bit (recommendation: 24 bit / TrueColor)

A 2-monitor system is required for ergo-spirometry.

Required interfaces

Only a dongle for PADSY servers is required for network installations. For virtual environments, the dongle can alternatively be used with a USB Device Server (see current price list).

Table 6: Required interfaces

Application	Interface
PADSY software protection dongle	USB 2.0

Application	Interface
PADSY ECG and PADSY Ergo	
ECG Top USB PC amplifier:	USB 2.0
ECG Top D (CardioPortFour):	USB 2.0
ECG Top BT (CardioPortFour):	USB 2.0 for Bluetooth adapter (BBZ5060) or internal Bluetooth adapter
ECG Air BT (CardioAirPlus):	USB 2.0 for Bluetooth adapter (BBZ5060) or internal Bluetooth adapter
Other recorders:	Upon request
PADSY Ergo	
Treadmill-Ergometer – ErgoTop 2:	USB 2.0
Bicycle-Ergometer – Ergoselect 4:	USB 2.0 or serial interface
Bicycle-Ergometer – Ergoselect 5:	USB 2.0 or serial interface
Ergo-spirometry – Innocor:	USB 2.0 or serial interface
PADSY Holter	
Telesmart recorder:	USB 2.0 for Bluetooth adapter (BBZ5060) or internal Bluetooth adapter USB 2.0 for the CF card reader
liveECG reader:	USB 2.0
ECG Time:	USB 2.0 for the SD card reader
ECG Time S:	USB 2.0 for Bluetooth adapter (BBZ5060) or internal Bluetooth adapter
ECG Time S_{Accu}:	USB 2.0 for Bluetooth adapter (BBZ5060) or internal Bluetooth adapter
Other recorders:	Upon request
PADSY RR	
Scanlight III recorder:	USB 2.0 for Bluetooth adapter (BBZ5060) or internal Bluetooth adapter Alternative: serial interface or USB 2.0 for USB/serial adapter (BBZ5050)
Boso TM-2430:	USB 2.0
Other recorders:	Upon request
PADSY Spiro	
Spirosound:	USB 2.0
Ganshorn SpiroScout:	USB 2.0
Others:	Upon request

Peripheral equipment

Table 7: Peripheral equipment

Peripheral equipment	Requirements
Input device (required):	Keyboard and mouse
Printer:	Windows- or macOS-compatible printer or network printer with a resolution of at least 600 dpi

A colour printer is recommended for the PADSY Spiro and PADSY RR.

Special requirements:
If your hardware, software or configuration requirements differ, please contact your Medset contact person.

Normative and regulatory requirements

When commissioning, please note any other regulatory requirements that apply in your country. If the computer or other peripheral devices are operated within the patient environment, further measures for patient safety are required, such as the use of medical isolating transformers and/or interface and network isolators.
All connected devices must, at a minimum, meet the standard DIN EN 62368-1.