







# Pc-Check® UEFI Embedded Diagnostics


**How you benefit using the Pc-Check® UEFI Embedded Fixed Disk and the Pc-Check® UEFI Embedded BIOS diagnostics**


 **Customized Testing:** Embedded tools tailored to specific configurations and usage patterns, provides **relevant and more accurate information often missed or not included from factory generic tests.**

 **Immediate Feedback:** Embedded Pc-Check UEFI tools provide quick, cost effective identification and resolution of problems, reducing returned units for warranty services, anytime, anywhere installed.

 **Proactive Maintenance:** Pc-Check UEFI Embedded aids in identifying all kinds of PC types — Gaming, industrial, laptops, servers — addressing issues before they escalate into major costly problems.

 **In-Field Problem Identification:** Environmental factors or specific software interactions may not be replicated in a factory setting. Embedded tools help identify and address these unique problems, reducing returns.

 **Reduced Service Costs:** Pc-Check UEFI Embedded diagnostics supports IT operators and professional repair services with **advance notice of part repair**, lowering overall field time and maintenance costs.

 **User Empowerment:** Users are able to run Pc-Check UEFI tests, troubleshooting issues themselves or guided without needing to send the PC to a shop or wait for factory support. This provides global savings for organizations, businesses and home users that expect minimal downtime.

**Over 40+ years, factory and service testing with the Pc-Check diagnostic suite has always been crucial for problem validation, break-fix and quality assurance.**

**Now, the Pc-Check UEFI diagnostics embedded in your systems/devices provide ongoing, real-time insights and maintenance capabilities which enhance the overall reliability and user experience of a PC, while reducing warranty costs.**

Test Examples:

**CPU, Memory, Internal Storage, Video RAM, Mouse, USB Controller, Network Interface, Graphic Card, Motherboard Components (Keyboard with Fixed Media version).**

Test results can be presented as a QR code for easy scan access and presentation to technician/end user.

**A URL is all that's needed to point the QR code test results to your website.**

Failure: Solid State Drive, S.M.A.R.T. Immediate, Device 1



<https://www.eurosoft-uk.com/support/403-solid-state-drive/>



# Engaging, attractive, embedded diagnostics designed to fit the tightest space specification, exceeding the highest test and support requirements.

## FIXED DISK OPTION



Pc-Check UEFI Embedded Fixed Disk version is installed to the EFI partition, internal HDD or SSD.

Test results are written to the EFI partition.

QR codes and test messages of results/error codes are presented on the display for easy scanning and support calls. An included utility later retrieves the test logs.

Because Pc-Check UEFI is in pre-boot and writing to the EFI partition, only FAT partitions are accessible, therefore it does not write it to the C drive.

UEFI typically only provides file system support for FAT, which means only ESP is seen.



## Computer Test Features - detailed comparison

Easily launch testing from the Boot Menu.

Test reports are storable at approximately 100KB for both the system information (35KB) and result file (30KB) or (65KB) together, based on the tests noted.

### **Installed Size:**

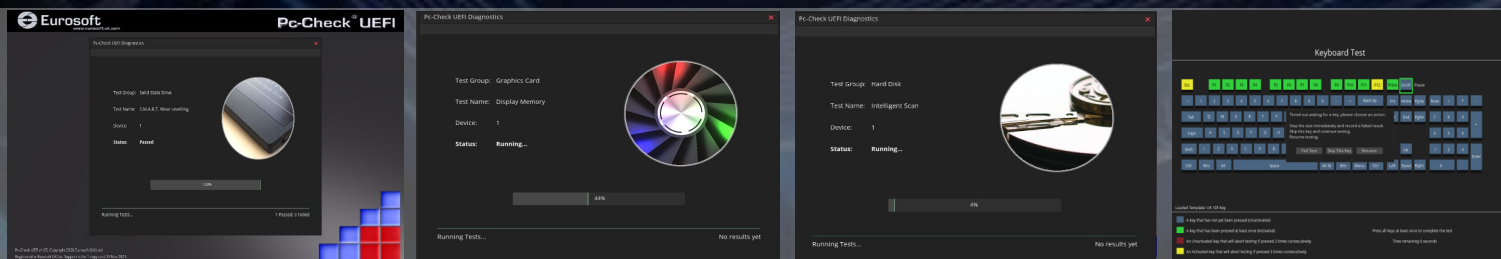
8MB (test inclusion depending)

### **Deliverables:**

Pc-Check UEFI Embedded Fixed Disk version as an UEFI module (.efi), with licensed installer - Windows/WinPE.

QR Code - capable to present test results.

Test Descriptions and Codes provided with the program as a PDF document.



## BIOS OPTION



Pc-Check UEFI Embedded BIOS, installed in the ROM, is a collaborative customer project.

Your team works with BIOS firmware integrator/provider and main board manufacturer to add the UEFI module, and the method of invocation such as hot key or boot menu e.g. F1...F12.

Understanding the amount of space free in the BIOS and at a minimum supplying a production ready sample main board and system is needed, along with the BIOS tools and BIOS hash for each project.

With BIOS space very limited, the priority is to use the available space for as much significant testing as possible. Note that file output is not available in the ROMable version.

QR codes and test messages of results/error codes are presented on the display for easy scanning and support calls.

### **Installed Size:**

2MB (test inclusion depending)

### **Deliverables:**

Pc-Check UEFI BIOS embedded version as an UEFI module (.efi).

QR Code - capable to present test results.

Test Descriptions and Codes provided with the program as a PDF document.

# Pc-Check® UEFI Embedded Diagnostics — find hardware faults that other test products can't or won't reveal.

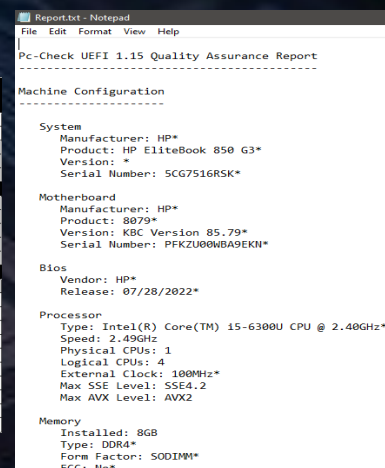
## TEST RESULTS & REPORTS

Embedded BIOS option allows the test results to be displayed on screen at the end of testing as a message and a QR code.

Fixed Media options display TXT and XML result output with a retrieval utility provided for PDF logs. Testing reports include all test results. Optional system information displays all that's included in the unit as a thorough comprehensive report from the embedded diagnostics selected.



Pc-Check UEFI Service Report				
	Pc-Check UEFI v1.15.0.0	Total Test Time	00:04:43	
Start Time	2024-07-25 07:39:26	Finish Time	2024-07-25 07:44:10	
Type 1 Serial Number	1904N103Ch			
Type 2 Serial Number	1916N103Ch			
Overall Test Result	Passed			
Hardware Information Summary				
CPU	Intel(R) Core(TM) i5-6300U CPU @ 2.40GHz			
Memory	8 GB / ChannelA / DDR4			
NVMe Drive	S0F050C7C77796A0E7519C133C8D0C8B Samsung MZVPY256HDLG-00000 256.09GB			
Video Card	Skylake GT2 [HD Graphics 520] Intel Corporation			
Mother Board	8079			
Results Summary				
Overall Tests	Test Started	Test Finished	Total	Test Results
Memory	2024-07-25 07:39:26	2024-07-25 07:40:14	00:00:47	Passed
Processor	2024-07-25 07:40:14	2024-07-25 07:41:23	00:01:09	Passed
Graphics Card	2024-07-25 07:41:23	2024-07-25 07:42:10	00:00:47	Passed
Motherboard	2024-07-25 07:42:10	2024-07-25 07:43:57	00:01:47	Passed
Hard Disk	2024-07-25 07:43:57	2024-07-25 07:43:58	00:00:01	Not Available
Solid State Drive	2024-07-25 07:43:58	2024-07-25 07:43:59	00:00:01	Not Available
NVMe Solid State Drive	2024-07-25 07:43:59	2024-07-25 07:44:00	00:00:01	Passed
Network Interface	2024-07-25 07:44:00	2024-07-25 07:44:01	00:00:01	Not Available
USB	2024-07-25 07:44:01	2024-07-25 07:44:08	00:00:07	Passed
Serial Ports	2024-07-25 07:44:08	2024-07-25 07:44:10	00:00:02	Passed



## QR CODES:

The QR codes (test/error results) are designed to capture the Pc-Check UEFI test result detail in real time. These QR code test descriptions can be redirected to your designated website/ Cloud for hosting.

With your inside knowledge of the PC/system/ devices you provide or service, you can **add product information or 'what to do next' instructions alongside the Pc-Check UEFI QR code**. You can change the language for end user requirements.

The benefit of QR codes is that they are accessible anywhere by simply scanning the code with a cell phone or mobile device. Your end user or IT staff have immediate knowledge to convey an issue or read what to do next within the service process.



Whether you go with the embedded fixed disk internal storage (HDD/SSD) or ROMable BIOS versions, you can rely on Pc-Check UEFI Embedded Diagnostics to deliver the very best and most thorough testing available. Streamline support and warranty logistics, saving time with pre-deployed field testing and end user diagnostics.



# Ready to try test and data erasure tools that support your business?

## Solutions for an ever changing landscape...

Computer manufacturing and system integrating rely on diagnostics to form standard test practices. Repair, services and support are blending with field technicians, backing MSP's who remotely manage all varieties of computers. Critical assessment of systems situated publicly: government, military, education, healthcare, as well as private verticals expect compliant, running systems. Refurbishing has taken off, extracting re-workable components to balance a broad eco-system, recycling where they can't. Everywhere, demand for reliably running PCs is required and expected.

## Manufacturing

and system integrating of all sizes, building new PCs of all kinds, use the PC Builder™ Test Management Suite and Pc-Check® diagnostic suite to validate hardware and configurations prior to investing time in loading operating system. Pc-Check UEFI Embedded during production adds essential remote testing before shipping.

## Refurbishing

for trade, re-manufacturing, repurposing, ITAD, and leasing PCs, use several tools. Portable Pc-Check® diagnostic suite and the PC Builder™ solution quickly and reliably validate inbound and outbound hardware assets for suitability of reuse, upgrading, re-imaging. Eurosoft's ZeroData™ Windows® storage drive erasure software is used in process or portably for secure and compliant data wiping.

**Manufacturers**  
OEM/ODM  
System Builders  
Assemblers  
System Integrators

**Refurbishers**  
Microsoft Authorised  
Refurbishers  
ITAD  
Rentals and Leasing  
Recyclers

## Servicing

has a wide commitment, bringing consumers and industry closer to the upgrading and repair process. The full Pc-Check® diagnostic suite brings portable testing with pre-boot options, multiple script creation, and recordation,

**Services**  
Break-Fix Operations  
Field Technicians  
Computer Shops  
Consultants

reaching a variety of diverse PC customers. ZeroData™ Windows® offers portability and security to safely wipe customer PCs anywhere.

**Support**  
Network Administrators  
I.T. Professionals  
Managed Service  
Provider  
Help Desk  
Retail

**Support** involves personal and remotely available technical sessions. Break-fix callouts and in-store warranty review, preventative

maintenance, and rapid diagnosis to remediate downtime. Each Pc-Check® hardware diagnostic program gives fast and flexible hardware assessment. ZeroData™ Windows® securely clears data to ensure GDPR compliance.

## Flexible user and licensing options to perfectly fit your costs and needs.

Eurosoft (UK) Ltd are dedicated to offering a variety of hardware diagnostic, test management and data erasure solutions as standalone packages, bundled with systems and services, as well as site licenses of all sizes. Commercially developed, and maintained to test and securely data wipe the widest range of PC-based hardware, regardless of brand. Whether you are responsible for 10, 1000 or 1million+ PCs or equally as many technicians, you won't find a more comprehensive collection of software tools to increase customer satisfaction and improve business operations.

**Contact us at the locations below to take advantage of a new testing experience today.**

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