

# UCA™ In-a-LINUX-box Why a PC ?



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Have you already thought of the application of the PC-architecture and considered the PC as the engine for communications and distributed applications?

- **Micro-controller vs. Credit card size PC**
- **JUMPtEC DIMM-Concept provides cost effective embedded PC**



If your answer is YES: You should read this!  
If it is NO: You should read this immediately!

What you may have heard about **embedded PCs**

- Embedded PCs are mechanically **large**
- The hardware of an Embedded PC is **expensive**
- The power consumption of an embedded PC is usually **high**
- PCs most often have to be used with ribbon cables which are a possible cause of **error**

What you may have heard about **Micro-controllers**

- The software-development is much more **complicated** and expensive than under a standard operating system.
- Connection to standard-interfaces such as LANs, modems and the **Internet** requires **complicated** driver software.
- Graphical user interfaces can be realized only by **large** programming efforts.
- The development tools are **not as powerful** by far, as PC-programming systems.
- Micro-controllers by far do **not have as many** different PC-SW development tools available.
- This is why the purchase price is usually considerably **higher** for micro-controller development tools.
- There are ready-made software solutions available for standard tasks only in a very **limited** extent.

What we can tell you **today!**



- With the DIMM-PC, JUMPtEC has aimed at the micro-controllers market and has presented a **completely new concept** for the embedded PC-solution.
- The DIMM-PC **solves** the problems of size and cabling.
- The prices have been **drastically reduced** thanks to new technical designs, making the solution of using a DIMM-PC possible for many distributed applications.
- The DIMM-PC today needs **less** board surface than most micro-controller applications
- The costs of the embedded PC has been **decreased** drastically by the DIMM architecture.
- The complicated cabling of an embedded PC **does no longer exist** due to the DIMM architecture.
- The user can start the software development **immediately** on standard-PC.
- A standard operating system running on the embedded PC like **LINUX** opens doors to an **unlimited source** of professional - but free - software.

What else?

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