MAKING HEALTHCARE DEVICES SMART

Smart healthcare devices seamlessly integrate different sensors and data sources. They monitor, process, and display patients' vital signs. By taking over care-related tasks, they relieve the burden on healthcare staff.

Reliable processing modules with the sufficient computing power are key to ensuring that healthcare devices can fulfill their vital mission.

PUMA SOM-RK3399-Q7 is a powerful and versatile System-on-Module for precise image display, reliable patient monitoring, and patient support:

- Connects 2 MIPI-CSI high-resolution cameras
- Runs a 4K resolution display at a rate of 60fps
- Supports 4 USB 3.0 ports, Gigabit Ethernet and PCIe
- ARM-based hexa-core Rockchip RK3399
- EAL6+ certified secure element
- Power consumption less than 15W
- Compact form factor Q7 (70 mm x 70 mm / 2.75" x 2.75")
- Operating system: Linux (Debian and Yocto)

TYPICAL APPLICATIONS

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Medical Display

PUMA's connectivity and processing capabilities are the basis for instant rendering of medical images and crucial for diagnostic as well as treatment purposes in healthcare.

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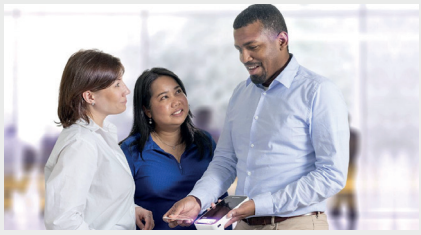
Pill Dispenser

PUMA's reliable operation ensures automated and organized medication that improves treatment adherence and patient safety in the home environment.



THINK. DEVELOP. MANUFACTURE. THINGS!

CHERRY Embedded Solutions' modules
combine performance and cost efficiency:

- Production capacities from small batches to large-scale series
- Lead times of as little as two weeks
- Availability of up to ten years
- Seamlessly integrated software and hardware guarantee reliable operation
- The module is supported mainline in Linux kernel and U-Boot bootloader
- Developed and manufactured in Austria, the heart of Europe

TALK TO OUR EXPERTS AND GET YOUR SAMPLE

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