

# ZKR Air Plus

## Application Server

### Application Server

The server controls the operation of the Comfort, Versatile Plus, Versatile, and Air Plus (optional) systems used in hospitals. The server provides log reporting through a web interface and enables integration with other systems used throughout the building. Our servers have a Linux-based robust and reliable infrastructure.



- Linux Operating System
- Fully redundant structure
- Troubleshooting and error notification of all modules connected to the system
- Voice Record Module (for Comfort and Versatile Plus systems)
- Integration with WiFi mobile phones
- Integration with DECT telephones
- Integration with pagers
- Integration with PBX and ability to start emergency codes (such as 1111, 2222, 3333)
- IP, PRI, BRI, Analog Connection
- Integration with Fire Alarm Systems (Modbus, Bacnet, Special TCP connection types)
- Integration with CCTV Systems (Serial Port, Special TCP connection types)
- Integration with RFID Systems (Web service, Special TCP connection types)
- Integration with Hospital Information System
- Integration with Lighting Automation

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### Technical specification

ZKRUNCIPSR10102

Form factor	1U rack server
Dimensions and weight	H: 42.8 mm (1.67 in), W: 434.0 mm (17.09 in), D: 495 mm (19.5 in) w/o ear, w/o bezel Max weight: 10.6 kg (20.96 lb)
Processor	1 processor from the following product families: <ul style="list-style-type: none"><li>• Intel® Xeon® processor E3-1200 v6 product family</li><li>• Intel Pentium®</li><li>• Intel Core™ i3</li><li>• Intel Celeron®</li></ul>
Chipset	Intel C236
Operating system	Microsoft® Windows Server® 2016, Microsoft® Windows Server® 2012 Microsoft Windows Server 2012 R2, x64 Red Hat® Enterprise Linux® VMware® Vsphere® ESXi® SUSE® Linux Enterprise Server®
Memory	Architecture: Up to 2400MT/s DDR4 DIMMs Memory type: UDIMMs Memory module sockets: 4 Maximum RAM: Up to 64GB
Storage	<ul style="list-style-type: none"><li>• 2.5" SATA 7.2k</li><li>• 2.5" nearline SAS 7.2k</li><li>• 2.5" 10k SAS HDDs</li><li>• 2.5" 15K SAS HDDs</li><li>• 2.5" SATA SSDs</li><li>• 3.5" Enterprise SATA 7.2k HDDs</li><li>• 3.5" nearline SAS 7.2k HDDs</li><li>• 3.5" 7.2k SATA entry drives</li></ul>
Hypervisor support	Microsoft Windows Server with Hyper-V® VMware® vSphere® ESXi®
Drive bays	2 x 3.5" cabled HDD 4 x 3.5" cabled HDD 4 x 3.5" hot-swap or 2.5" hot-swap in hybrid drive carrier
Slots	2 x PCIe 3.0 slots: x16 slot, full-height (1x8 3.0)+ x8 slot, low-profile (1x4 3.0).
RAID controllers	PERC S130, PERC H330, PERC H730, PERC H830
Network controller	Broadcom® 5720
Communications	2 x 1GbE LOM Click here for R230 supported network interface cards (NICs) and host bus adapters (HBAs) and scroll to "Additional Network Cards" section.
Power	250W cabled PSU
Management	<ul style="list-style-type: none"><li>• IPMI 2.0 compliant</li><li>• Dell OpenManage Essentials</li><li>• Dell OpenManage Mobile</li><li>• Dell OpenManage Power Center</li><li>• Plug-in for Oracle® Enterprise Manager</li><li>• Dell OpenManage Integration Suite for Microsoft System Center, Dell OpenManage Integration for VMware vCenter®</li></ul> <ul style="list-style-type: none"><li>• HP Operations Manager</li><li>• Dell OpenManage Integration Suite for Microsoft System Center, Dell OpenManage Integration for VMware vCenter®</li></ul>
Input connection	1 x USB 3.0 1x Headphone Out 1 x PS/2 Keyboard 1 x PS/2 Mouse 1 x RJ-45 Ethernet 1 x VGA (Display Out) 1 x Serial Port (RS232) 1 x Mic In 4 x USB 2.0
Device access	5 total USB: Rear: 2 x USB 3.0 ports Front: 2 x USB 2.0 ports Internal: 1 x USB 3.0 port
Rack support	ReadyRails™ static rails for tool-less mounting in 4-post racks with square or unthreaded round holes or tooled mounting in 4-post threaded and 2-post racks.