

# ZKR Nurse Call System

## 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.



#### **Application Server M500 - ZKRUNCIPSRM0500**

*Software supporting up to 500 rooms*

#### **Application Server M1000 - ZKRUNCIPSR10200**

*Software supporting up to 1000 rooms*

#### **Application Server M1000+ - ZKRUNCIPSRM2000**

*Software supporting unlimited rooms*

*“All three of these servers share the same technical specifications below, and differ only in software license.”*

- 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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Processor Support		1 x Socket P0 (LGA 1151)  Intel® Xeon® E processors (up to 95W) Intel® Core™ i3 processors Intel® Pentium™ processors Intel® Celeron™ processors
Core Logic		Intel® C242 PCH
Memory	Total Slots Capacity Memory Type	4 (2-channel per CPU) Maximum up to 128GB DDR4 2666/2400 ECC and non-ECC UDIMM *Refer to ASUS server AVL for the latest update
	Memory Size	32GB, 16GB, 8GB, 4GB (UDIMM) *Refer to ASUS server AVL for the latest update
Expansion Slots	Total PCI/PCI-X/PCI-E/PIKE Slots Slot Type	Linux 64 bit Linux OS Debian base 1 x PCI-E x16 (Gen3 x16 link)
Disk Controller	SATA Controller	Intel® C242 - 6 x SATA 6Gb/s ports - 2 x M.2 connector(NGFF 2242, PCI-E Gen3 x2 link or SATA signal, gray SATA port will disable when M.2 is SATA signal) Intel® RSTe (Support software RAID 0, 1, 10 & 5)
	SAS Controller	Optional kits: ASUS PIKE II 3008 8-port SAS HBA card ASUS PIKE II 3108 8-port SAS HW RAID card 12G SAS Support
Storage Bays	I = internal A or S will be hot-swappable	2 x 3.5" Internal HDD Bays (Optional 1 x 3.5" HDD + 2 x 2.5" SSD) 2 x M.2 (NGFF 22110/2280/2260/2242)
Networking	LAN	1 x Quad Port Intel I210 Gigabit LAN Controller, 1 x Management Port
Graphic	VGA	Aspeed AST2500 64MB
Switch/LED		Rear Switch/LED: 1 x Q-Code/Port 80 LED 1 x Power switch  Front Switch/LED: 1 x Power switch/LED 1 x Location switch/LED 1 x Reset switch 1 x HDD Access LED 1 x Message LED LAN 1-4 LED
Management Solution	Software Out of Band Remote Management	ASUS Control Center (Classic) Optional ASMB9-iKVM for KVM-over-IP
Dimension		380mm x 430mm x 44mm 14.96" x 16.93" x 1.73"
Power Supply	(following different configuration by region)	Single 250W 80 PLUS Bronze Power Supply Rating: 100-240Vac,4A ,50-60Hz, Class I Single 350W 80 PLUS Gold Power Supply Rating: 100-240Vac,6A-3A ,50-60Hz, Class I
Environment		Operation temperature: 10~ 35 Non operation temperature: -40~ 70 Non operation humidity: 20% ~ 90% ( Non condensing )