



SOUTHERN SOFTWARE, INC.
an employee-owned company

Recommended Public Safety Server Specifications (2026)

Hardware Requirements Public Safety (Based on Concurrent Users)

Specifications may pertain to either a physical server or a virtual environment. The host specifications for virtual servers lie at the agency's discretion, provided they meet the minimum requirements listed below.

1-20 Concurrent Users

- Memory: 32GB RAM (Minimum)
- Processor: 2.4GHz or higher, Hyper-Threaded, 4 Cores
- Storage: 1.5TB NVMe SSD (Preferred) or 500GB SSD (Minimum)

21-40 Concurrent Users

- Memory: 64GB RAM (Minimum)
- Processor: 2.4GHz or higher, Hyper-Threaded, 4 Cores
- Storage: 2TB NVMe SSD (Preferred) or 1TB SSD (Minimum)

41-60 Concurrent Users

- Storage: 2TB SSD (Minimum)
- Memory: 128GB RAM (Minimum)
- Processor: 2.8GHz or higher, Hyper-Threaded, 8 Cores
- Storage: 4TB NVMe SSD (Preferred)

61 or More Concurrent Users

- Memory: 256GB RAM (Minimum)
- Processor: 3.0GHz or higher, Hyper-Threaded, 16 Cores
- Storage: 6TB NVMe SSD or higher

Physical Server Specifications

Storage

- Recommended: Scalable Storage Based on Future Growth

Networking & Connectivity

- Dual 1GbE Network Interface Cards (10/100/1000 Mbps) (Supports LAN, NCIC, and Future Expansion)



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Power Supply

- Dual Hot-Plug, Redundant Power Supplies (Recommended for Reliability)

RAID Configuration

- RAID 5 with a PERC Hardware Controller (No Software RAID Controllers)

Optical Drive (If Required)

- External USB DVD-RW (Internal DVD+RW Optional)

Software Requirements

Operating System

- Windows Server 2012 R2 – Unsupported (Upgrade Required)
- Minimum: Windows Server 2019 Standard Edition (64-bit)
- Recommended: Windows Server 2022 Standard Edition (64-bit)
- CALs: Appropriate Client Access Licenses (CALs) Required

SQL Server

- Legacy Support: SQL Server 2012, 2014, 2016 (For Existing Servers Only)
- Minimum for New Servers: SQL Server 2019 Standard Edition or Higher

Backup Solutions

- Recommended: Cloud-Based Enterprise Backup (Acronis, Veeam, or Backblaze)
- Alternative: 2TB+ External Backup Drive with Automated Backup Software (NovaBACKUP)

Antivirus & Security

- Recommended: Corporate Edition Antivirus Software



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Important Notes & Best Practices

- ✓ Digi Ports are required for virtual servers receiving ALI from a 911 controller.
- ✓ One physical server can run multiple Southern Software applications if the minimum specs are met.
- ✓ Southern Software applications support virtual environments (VMware, Hyper-V).
- ✓ Gigabit network preferred for optimal performance.
- ✓ Rack-mounted servers require 2/4 post racks (Ready Rails sliding rails preferred).
- ✓ SQL Server can NOT be a domain controller or backup domain controller.
- ✓ Drive Partitions:
 - OS Drive: Minimum 256GB
 - Data Drive: Dedicated Partition for Application & Database Storage
- ✓ VPN & Air Card required for agencies using MDIS/RMS in vehicles.