Recommended FMS Server Specifications (2025)

Hardware Requirements

Processor
• Minimum: 3.0GHz Quad-Core or Higher

• Recommended: 2.8GHz or higher, Hyper-Threaded, 8 Cores

Memory
• Minimum: 32GB RAM

• Recommended: 64GB or more (For better performance and scalability)

Storage
• Minimum: 500GB SSD for OS, 1TB separate Hard Drive for SQL data (RAID 1 or 5 preferred)

• Recommended: 1.5TB NVMe SSD (Preferred for optimal performance)

Networking & Connectivity
• Minimum: 1 Gigabit Network Card

• Recommended: Dual 100/1000 Gigabit Network Cards (Supports LAN, NCIC, and Future Expansion)

Power Supply
• Minimum: Single Power Supply

• Recommended: Dual Hot Plug Redundant Power Supplies for reliability

Power Protection
• Minimum: UPS Backup 1500 or better (One UPS per power supply recommended)

Software Requirements

Operating System
• Minimum: Windows Server 2019 Standard Edition (64-bit) with appropriate CALs

• Recommended: Windows Server 2022 Standard Edition (64-bit)

• Legacy Support: All other OS versions are end-of-life and not supported

Microsoft SQL Server
• Minimum: SQL Server 2019 Standard Edition (Recommended for full functionality)

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• Alternative: SQL Server 2019 Express (Limited features, storage, and memory support)

• Legacy Support: Older SQL Server versions are no longer supported

Backup Solutions

• Recommended: Cloud-Based Enterprise Backup (Acronis, Veeam, or Backblaze)

• Alternative: 2TB+ External Backup Drive with Automated Backup Software

Antivirus & Security

• Strongly recommended on all servers

• Preferred: Corporate Edition Antivirus Software

Important Notes & Best Practices

✅ One physical server can run multiple Southern Software applications if minimum specs are met

✅ Southern Software applications support virtual environments (VMware, Hyper-V)

✅ High-speed internet required for remote support

✅ Remote support software (VPN, TeamViewer, or Bomgar) required for Southern Software assistance

✅ SQL Server should NOT be the Domain Controller or Backup Domain Controller for the agency

✅ Drive Partitions:

  - OS Drive: Minimum 300GB

  - Data Drive: Dedicated Partition for Application & Database Storage

✅ RAID 5 configuration recommended with PERC Hardware Controller (No Software RAID)

✅ Rack-mounted servers require 2/4 post racks (Ready Rails sliding rails preferred)