Network Infrastructure Services

Professional Solutions for Modern Businesses

Flare Communications

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About Flare Communications

Since 2000, Flare Communications has delivered professional network infrastructure, electrical services, and fire alarm systems to businesses throughout St. Louis, Metro East Illinois, and Central Illinois. Our licensed technicians combine decades of experience with cutting-edge technology to design, install, and support network solutions that grow with your business.

Our Network Infrastructure Services

Structured Cabling

Professional structured cabling forms the foundation of reliable network performance. We design and install Category 5e, Category 6, and Category 6A cabling systems that meet or exceed TIA/EIA standards. Our installations include proper cable management, labeling, testing, and certification to ensure maximum performance and future scalability.

Services Include:

- Horizontal and backbone cabling installation
- Cable pathway design and installation (conduit, cable tray, J-hooks)

- Patch panel termination and rack organization

- Cable testing and certification with Fluke Networks equipment

- Fiber optic installation (single-mode and multi-mode)

- Documentation and as-built drawings

UniFi Network Solutions

We specialize in Ubiquiti UniFi network equipment, delivering enterprise-grade performance at small business prices. UniFi systems provide centralized management, powerful analytics, seamless roaming, and professional-grade security features through an intuitive interface.

UniFi Product Lines:

- **UniFi Gateways** - Advanced routing, VPN, and security features

- **UniFi Switches** - PoE+ switches from 8 to 48 ports with 10G uplinks

- **UniFi Access Points** - WiFi 6 and WiFi 7 access points for any environment

- **UniFi Protect** - Professional video surveillance with local storage

- **UniFi Access** - Modern access control for doors and gates

- **UniFi Talk** - VoIP phone system with mobile integration

Network Design & Planning

Proper network design prevents performance bottlenecks and simplifies future expansion. Our design services include site surveys, capacity planning, equipment selection, and detailed implementation plans that align with your business requirements and budget.

Network Security

Protecting your business from cyber threats requires multiple layers of defense. We implement firewalls, VLANs for network segmentation, guest network isolation, content filtering, intrusion detection, and regular security audits to keep your data safe.

Wireless Network Design

Modern businesses depend on reliable WiFi coverage. We perform RF site surveys, design optimal access point placement, configure seamless roaming, implement guest access with captive portals, and ensure proper channel planning to eliminate interference.

Fiber Optic Installation

Fiber optic cabling provides the bandwidth and reliability needed for demanding applications. Our fiber services include single-mode and multi-mode installation, fusion splicing, OTDR testing, fiber termination, and documentation.

Service Pricing Guide

Structured Cabling

Service	Price Range
Cat6 cable run (per drop)	150—250
Cat6A cable run (per drop)	200—300
Fiber optic run (per strand)	300—500
Patch panel installation (24-port)	200—350
Cable certification (per drop)	25—50
Network rack setup (6U-12U)	400—800

UniFi Network Equipment & Installation

Equipment Type	Equipment Cost	Installation
UniFi Dream Machine Pro	$379	300−500
UniFi Switch 24 PoE (250W)	$499	200−350
UniFi 6 Pro Access Point	$149	150−250
UniFi G4 Pro Camera	$449	200−350
UniFi Access Hub	$199	250−400

Professional Services

Service	Rate
Network design & consultation	$150/hour
On-site installation labor	$125/hour
Network configuration & setup	$150/hour
RF site survey	500−1,500
Network security audit	800−2,000
Ongoing support & maintenance	$125/hour or monthly contract

Note: Prices are estimates and may vary based on project scope, site conditions, and specific requirements. Contact us for a detailed quote.

Case Studies

Case Study 1: Law Firm Network Upgrade

Client: Mid-sized law firm, Clayton, MO
Challenge: Outdated network infrastructure causing slow file access and frequent WiFi dropouts

Solution:

- Installed Cat6A structured cabling to 45 workstations
- Deployed UniFi Dream Machine Pro with dual WAN failover
- Installed 8 UniFi 6 Pro access points for seamless coverage
- Configured VLANs for staff, guest, and VoIP traffic
- Implemented UniFi Protect with 12 security cameras

Results:

- Network speeds increased from 100Mbps to 1Gbps
- WiFi coverage improved to 100% with zero dead zones
- File server access times reduced by 75%
- Enhanced security with network segmentation
- Centralized management reduced IT support time by 40%

Investment: $28,500 (equipment and installation)

Case Study 2: Manufacturing Facility WiFi

Client: Manufacturing company, Edwardsville, IL
Challenge: No WiFi coverage in 50,000 sq ft facility for inventory management tablets

Solution:

- Conducted RF site survey to map coverage requirements
- Installed fiber optic backbone connecting 4 buildings
- Deployed 16 UniFi 6 Long Range access points
- Configured industrial-grade PoE switches
- Implemented guest network for vendors and visitors

Results:

- Complete WiFi coverage across entire facility
- Real-time inventory tracking improved efficiency by 30%
- Eliminated paper-based processes

- Guest network provides secure vendor access
- System scales easily as facility expands

Investment: $42,000 (equipment and installation)

Case Study 3: Medical Office Network Security

Client: Multi-physician medical practice, Ballwin, MO
Challenge: HIPAA compliance requirements and aging network equipment

Solution:

- Replaced consumer-grade equipment with UniFi enterprise gear
- Implemented network segmentation (medical records, VoIP, guest)
- Deployed UniFi Gateway with advanced firewall rules
- Configured encrypted WiFi with WPA3 security
- Installed UniFi Protect for facility security
- Documented network for HIPAA audit compliance

Results:

- Achieved full HIPAA network security compliance
- Protected patient data with enterprise-grade encryption
- Separated medical records from guest WiFi traffic
- Reduced cyber insurance premiums by 15%
- Passed HIPAA audit with zero network findings

Investment: $18,500 (equipment and installation)

Why Choose Flare Communications?

Licensed & Insured: Our technicians hold proper licenses and our work is fully insured for your protection.

UniFi Certified: We're experts in Ubiquiti UniFi systems with hundreds of successful deployments.

Local Service: Based in St. Louis with fast response times throughout Missouri and Illinois.

Comprehensive Solutions: We handle everything from cabling to configuration to ongoing support.

Quality Workmanship: Every installation meets professional standards with proper testing and documentation.

Transparent Pricing: Clear quotes with no hidden fees or surprise charges.

Service Areas

St. Louis Metro: Ballwin, Chesterfield, Clayton, Creve Coeur, Des Peres, Kirkwood, Ladue, Manchester, Maryland Heights, Olivette, Richmond Heights, St. Louis City, Town and Country, University City, Webster Groves, Wildwood

Metro East Illinois: Belleville, Collinsville, Edwardsville, O'Fallon, Fairview Heights, Swansea, Glen Carbon, Granite City, Alton, Godfrey, Wood River, Highland, Troy, Maryville, Caseyville, Shiloh

Central Illinois: Springfield, Decatur, Champaign, Urbana, Bloomington, Normal, Peoria, Quincy

Get Started Today

Schedule a Free Network Assessment

Contact Flare Communications to discuss your network infrastructure needs. We'll evaluate your current setup, understand your requirements, and provide a detailed proposal with transparent pricing.

Phone: (636) 391-7530
Email: info@flarecomm.com
Website: flarecomm.com

Business Hours:

Monday - Friday: 8:00 AM - 5:00 PM

$^{24}/_{7}$ Emergency Service Available

Professional Network Infrastructure, Electrical Services & Fire Alarm Systems since 2000