Cisco Connected Communities Infrastructure

**A proven solution for your path to digital transformation**

Modernizing the technology landscape of our cities, communities, and roadways is critical. Efforts toward digital transformation will form the basis for future sustainability, economic strength, operational efficiency, improved livability, public safety, and general appeal for new investment and talent. Yet these efforts can be complex and challenging. What we need is a different approach to address the growing number of connected services, systems, devices, and their volumes of data. Overwhelming options for connecting new technologies make decision-making more difficult and present risks that often seem greater than the reward. This approach will require a strategic and unified consideration of the broad needs across organizational goals and the evolving nature of the underlying technology solutions.

Cisco® Connected Communities Infrastructure is the answer to that call and is designed with these challenges in mind. Our solution is built on a validated architecture that delivers a multiservice, intent-based network for secure connectivity that can be easily deployed and managed and remains compliant and resilient to cyber threats. We provide flexible options for connectivity that allow for choosing the best solution that fits your needs, regardless of the technology. Cisco Connected Communities Infrastructure is the first architecture of its kind to address the end-to-end needs of cities and roadways. Organizations can securely expand their networks with confidence and focus on delivering tangible outcomes for their constituencies.

**Benefits**

- **Reduce costs** through simplified network deployment and operational savings
- **Improve mobility and roadway safety** with simplified, secure connectivity to Traffic Management Systems (TMS) and Intelligent Transportation Systems (ITS)
- **Keep communities safe** with advanced video solutions that use automated monitoring and alerts and more cost-effective but brighter street lighting
- **Enhance planning and operational productivity** by using dynamic data insights to better serve all your community’s needs
- **Increase citizen engagement** with secure, easily accessible, and efficient public services and applications
- **Adapt** to rapid technology changes and evolving goals with the flexibility to offer new services

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“Every smart city starts with its network. I want to move away from isolated solutions to a single multi-service architecture approach that supports all the goals and outcomes we want for our city.”

Gary McCarthy
Mayor, City of Schenectady, NY
Your secure multiservice network

Requirements for multiple connectivity solutions that are traditionally created as separate, isolated networks lead to duplication of effort, inefficient management practices, and less assurance for security and resiliency. Traditional networking commonly manages on a per-device basis, which takes time, creates unnecessary complexities, and heightens exposure to costly human errors.

With Cisco’s Connected Communities Infrastructure, you can create a single, secure communications network to support all your needs. Based on the market-defining Cisco Digital Network Architecture (Cisco DNA) and intent-based networking capabilities, this solution provides:

- A single, modular network with wired (fiber, Ethernet), wireless (Wi-Fi, cellular, V2X) and Internet of Things (IoT) communications (LoRaWAN, RF mesh) connectivity options for unmatched deployment flexibility
- Cisco Software-Defined Access to virtually segment and secure your network across departments and services, each with its own policies, control, and management as needed
- Cisco DNA Center for network automation with unified management of communications policy and security that significantly lowers operational costs
- Highly reliable outdoor and ruggedized networking equipment with simplified zero-touch in-street and roadway deployment options

Call to action

It takes a world-class network to create a truly smart city

Around the world, we are tirelessly working to securely connect people, places, and things. Ready to join us? Cisco Connected Communities Infrastructure is the secure networking solution that can power your digital transformation, from an industry-leading vendor that can make it easier to deploy, manage, and stay secure.

For more information, please visit:
Cisco Cities and Communities: https://cisco.com/go/smartconnectedcommunities
Cisco Connected Roadways: https://cisco.com/go/connectedroadways
Cisco Internet-of-Things solutions: https://cisco.com/go/iotcvd
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