

Internet Secure Network 2024

JR Secure Design Inc
by James deCrescenzo jr

Complete All in One Cyber
Security System

On Any Network with
No IP changes



Internet Secure Network Complete Cyber Security

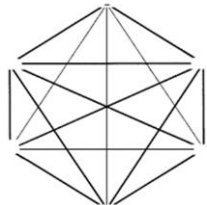
L2 Network Platform

First Non-TCP/IP Data Connectivity Platform

The ISN L2 Non-TCP/IP Autonomous. work with any data channels (fiber, broadband, LTE/5G, satellite) ISN MSTN (Multi Service Tunneling Network)



Disaster Prevention



Problem: WANs have significant performance and security challenges

WAN connectivity reliance on dated connectivity protocols are causing growing performance and security challenges

✓ Encryption Level

Its insane and leaves you wide open if you think 256 2048 encryption can't be hacked in minutes if not seconds with any modern gaming PC or using Tanzu on any cloud service you need to be at least 4096 Elliptic Curve Cryptography (ECC) for any kind of real projection any hopes against NSA and the Pegasus Project or any intelligent hacker with a gaming PC

• TCP/IP is dated

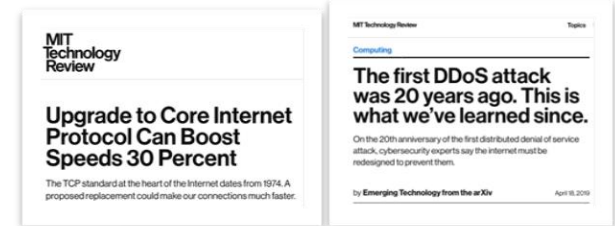
WANs run on TCP/IP, introduced several decades ago to meet **1970s** networking needs.

• TCP/IP is a poor fit for modern data applications

TCP/IP was **not** intended for the IoT, AI, telehealth, streaming media, multi-player gaming, and SaaS productivity, and LTE/5G/Edge applications. Packet loss, latency, jitter, and security vulnerabilities are driving major performance and security challenges.

• TCP/IP introduces serious WAN challenges globally

Network infrastructure operators, device manufacturers, service providers, and network managers must contend with serious security, performance, and cost challenges when working with TCP/IP.



ETSI launches new group on Non-IP Networking addressing 5G new services

Sophia Antipolis, 7 April 2020

ETSI is pleased to announce the creation of a new Industry Specification Group addressing Non-IP Networking (ISG NIN). The kick-off-meeting took place on 25 March and John Grant, BSI, was elected as the ISG Chair, and Kevin Smith, Vodafone, was elected as ISG Vice Chair.

With the increasing challenges placed on modern networks to support new use cases and greater connectivity, Service Providers are looking for candidate technologies that may serve their needs better than the TCP/IP-based networking used in current systems.

Hundreds of Millions of IoT Devices Affected by TCP/IP Security Flaws Allowing Remote Code Execution and DDoS Attacks

Alicia Hope • July 13, 2020



14 Points of Breach Disaster Prevention

- ✓ Data Ownership and location
- ✓ Encryption Level 4096
- ✓ Elliptic Curve Cryptography (ECC)
- ✓ Protected Internet access
- ✓ Authentication
- ✓ Secure Network
- ✓ Protected Intranet
- ✓ ISN “My Data Chip” & IAM Two Factor Security
- ✓ AI reporting and Analytics
- ✓ Alerts and AI block intelligence.
- ✓ Security project and ticket system
- ✓ Disaster Recovery Plan
- ✓ Mobile device security



Internet Secure Network



ISN Innovation – Competitive technical advantages from launch- Ultra-secure Autonomous System technology

Each of the benefits are verified through Pilot/POC engagements (please contact us for further details)

TECHNICAL CTOs, CROs, and CPOs

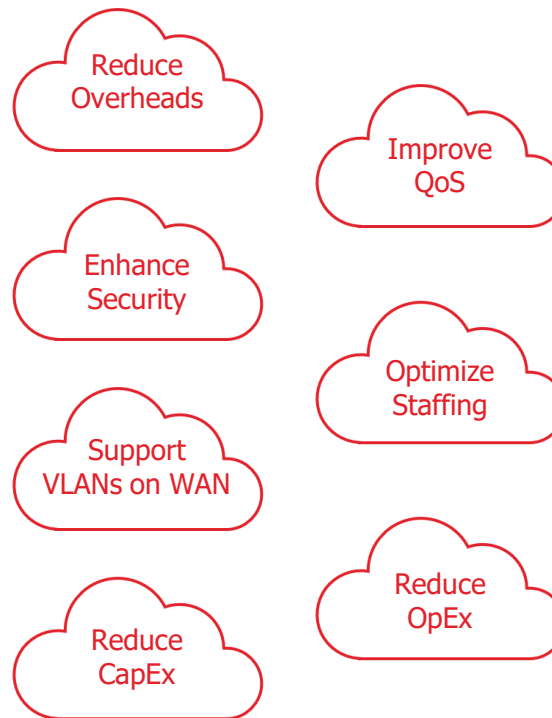
- Extend ultra strong network security to the edge
- Achieve superior network performance and reliability
- Increase bandwidth capacity and utilization.

OPERATIONS COOs and CIOs

- Centralize network governance down to the edge
- Deploy ISN OS on bare metal/virtual machine
- Avoid equipment lock-in, get vendor flexibility.

FINANCIAL CEOs and CFOs

- Reduce customer churn and network cost of ownership
- Simple subscription model; no hidden charges
- Better monetize existing network assets
- Create new revenue services beyond connectivity.
- Actually Secure your network



Internet Secure Network



ISN Innovation – delivers measurable technical and operational benefits

Leverage multiple security, performance, reliability, and financial benefits in one single powerful network operating system

SECURITY

- Unique security architecture
- Independent of TCP/IP protocols
- Hardened for DDoS and other IP-based attacks
- Efficient encryption algorithms
- Complete network isolation
- Secure global access
- Built-in protection of user preferences and patterns

RELIABILITY

- Architecture optimized for cloud computing
- Multi-channel (up to 255) uplink connectivity
- Enhance capacity by combining data channels
- Hot or cold redundancy modes
- Loop protection
- Dynamic ring

PERFORMANCE

- Transfer data faster data
- Data integrity with no packet reordering
- Minimize latency/jitter
- Reduce Packet loss
- Duplicate filtration with zero switching time
- Kernel-based architecture
- Support for all NAT configurations

SIMPLICITY & SAVINGS

- Plug-and-Play Autonomous System
- Compatible with most legacy hardware
- Rapid, scalable deployment
- Support for all data types and applications
- Realtime remote monitoring and management
- Reduce costs (e.g., MPLS, VPN, static IP)
- Cancel anytime subscription

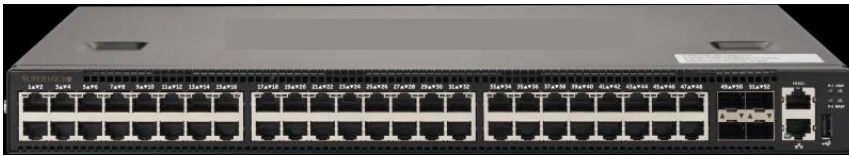


Internet Secure Network



ONE BOX For Any Edge

All in One Edge Management
(SD WAN Router, Firewall DIA 10G BB)



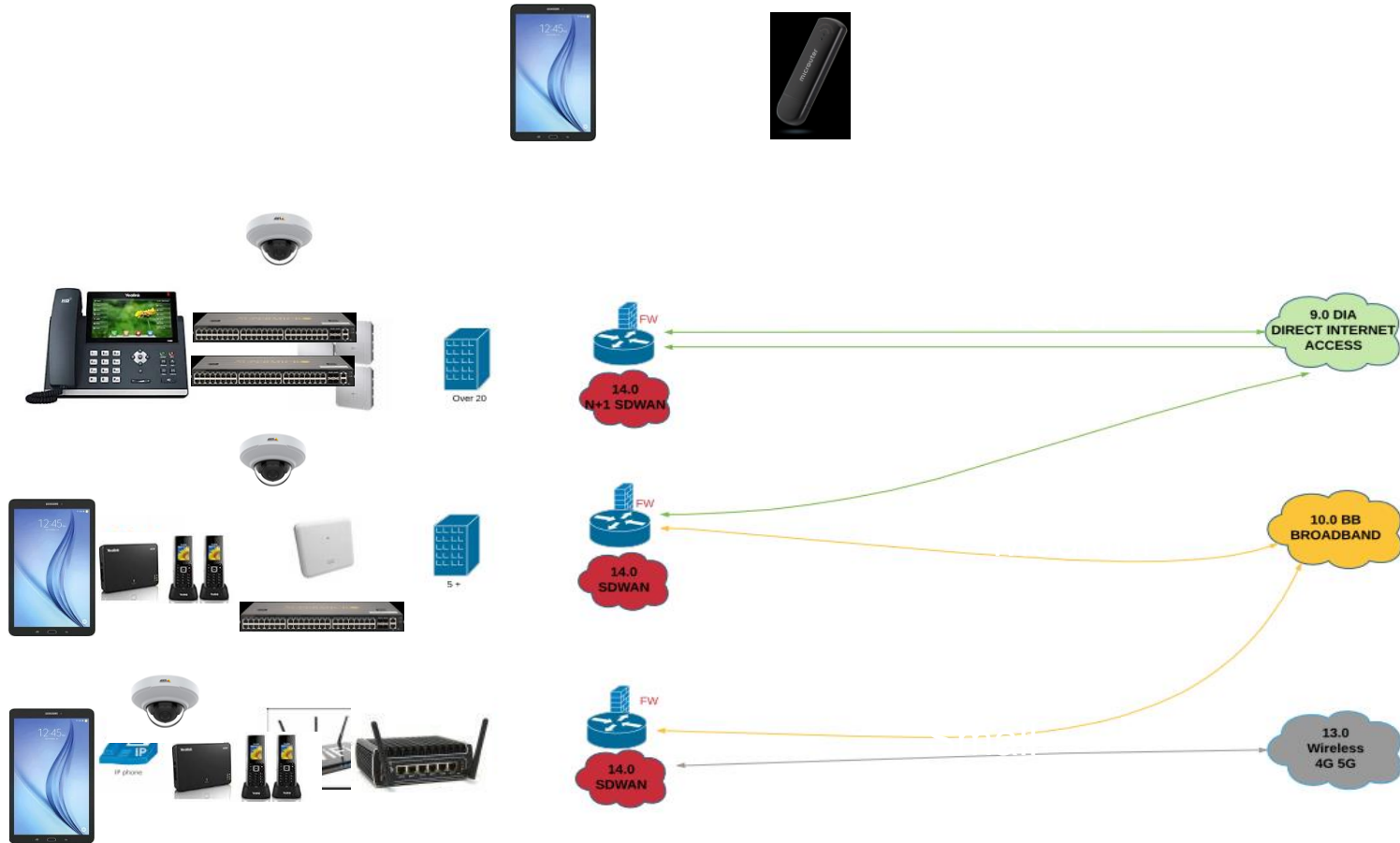
All Devices/Assets will be Connected
with Power over Ethernet (52 Ports)



Wireless & Small office Connections



Location Configuration



Traffic can route locally out of edge device.



Location Configuration

ISN "My Data Chip"
Block Chain Data encryption



Home user
ISN Secure Data Chip



Block Chain your data at ISN you own and control data.
It is stored locally and your ISN Secure Chip

SD WAN DIA Broadband & 5G

ISN Security

- ✓ HQ Diverse Loop and POP DIA with N+1 SDWAN & Firewall

Solutions Based on Location Size

- ✓ Large Dual Diverse DIA with N+1 SDWAN & Firewall
Redundant 4096 encrypted connections Active Active
- ✓ Medium DIA & Broadband SDWAN & Firewall
Redundant 4096 encrypted connections Active Active
- ✓ Small Broadband & 5G SDWAN & Firewall
Redundant 4096 encrypted connections one primary and one failover 5G Provider Best signal Sprint ATT Verizon
Shared Minutes across providers and devices
- ✓ Encrypted Security key for remote users
- ✓ Monitoring and Alerts



Benefits of ISN SD WAN

ISN Security

- ✓ Improved redundancy – virtually eliminates downtime
- ✓ QoS on voice and selected applications
- ✓ Ability to overcome network jitter and packet loss
- ✓ Easier Administration/control of routers and firewalls
- ✓ Visualization and control of the network and security
- ✓ Use any carrier or connection type bond into one network
- ❖ No cost for bandwidth



Easy Pricing ISN WAN

All in One Edge Management
(SD WAN Router, Firewall DIA 10G BB)

Location Type	Equipment		COST	
Data Center	VM or 2 Boxes	5000	\$129/Month/controller	Hosted
Redundant Large location	VM or 2 Boxes	5000	\$129/Month /Controller	Fully Managed
Medium Location	1 Box	2500	\$\$129/Month	Managed
Small Location	WIFI	300	\$129/Month	Managed



Add

- ✓ Firewall,
- ✓ Scanned Web Proxy
- ✓ Local File Storage & Backup
- ✓ Bit Defender
- ✓ You Own and Control Your Data



ISN One Management Portal Reporting and Security Center

- ✓ Add Scanning Monitors and alerts you on all your security across your enterprise – ISN-SD-WAN
- ✓ Firewalls Switches WAN LAN Devices
- ✓ Application WDAC logs Azure & MS Security Center
- ✓ MS Endpoint protection reports
- ✓ Office 365 reports and Email protection reports
- ✓ Centralized SIEM (SPLUNK or any other platform)
- ✓ Control all your users' device networks
- ✓ Azure AD integration
- ✓ Full stack API
- ✓ Security Ticket and project management system

