

## Identity-Defined Networking (IDN) Solution

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### IDN TECH WHITEPAPER

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PRIVATE

**Description of Company:** Tempered Networks is the pioneer of Identity-Defined Networking (IDN) that enables customers to easily build cloaked and encrypted networks, instantly. Its technology has been in production for over 10 years in the aerospace and defense industry and recently commercialized for the broader market.

▶ [Tempered Networks in SDxCentral Company Directory](#)

**Description of Product:** Identity-Defined Networking (IDN) is a fabric-based architecture that integrates networking and security into a unified platform that is topology-, protocol- and hyper-visor-agnostic. IDN is purpose-built to cut the complexity and restrictive rules of IP networking while protecting your investment in existing infrastructure. With IDN, your devices, endpoints and networks are assigned a unique, cryptographic identity and can only communicate with explicitly whitelisted systems or endpoints. The solution allows you to effortlessly extend secure connectivity across physical, virtual and cloud domains and can leverage any mix of wired Ethernet, cellular, WiFi, or SatCom networks.

▶ [Identity-Defined Network \(IDN\) Solution in SDxCentral Product Directory](#)

Solution Demand		Areas of Deployment	
Banking, Healthcare, Federal Government, Retail, Manufacturing, Airlines, Oil & Gas, Transportation, Hospitality, Public Safety, Utilities: Energy, Water/Wastewater		Intra-Datacenter, Inter-Datacenter, Hybrid Cloud, Campus, WAN	
NV Classification		Value Proposition	
Overlay, Direct fabric programming		Tempered Networks IDN solution is centrally managed through an intuitive orchestration engine that allows admins to establish 'one-click' whitelist policies for simplified deployment and management. It is an agnostic secure overlay and requires few, if any, changes to your underlying infrastructure. The solution provides micro-, macro- and cross boundary- segmentation. It provides end-to-end encryption and automatically authenticates, authorizes, and connects (on-demand) secure tunnels using unique device-based cryptographic identities.	
Southbound Protocols Supported			
Vendor-specific RESTful API, Trusted Computing Group standard IF-MAP			
Supported Hypervisors	Orchestration Integration		
KVM, ESXi, Xen, Hyper-V	OpenStack, VMware vCloud Suite		

Corporate Network with Micro, Macro, and Cross-Boundary Segmentation

