

Networking Solution



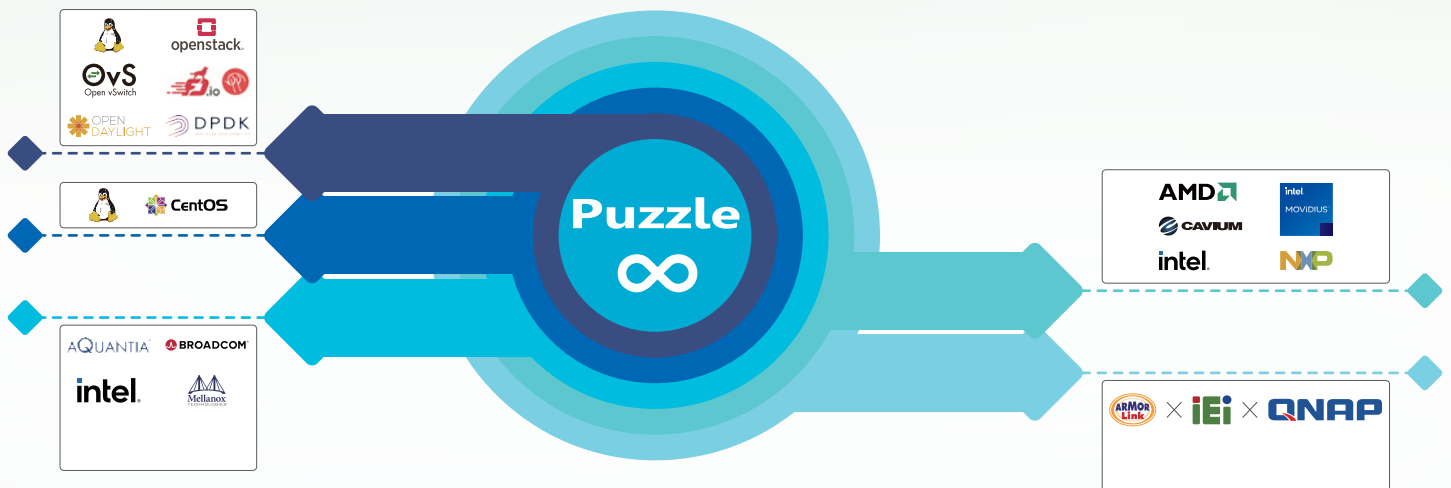
Why PUZZLE Series?

Redefining and Maximizing Network Scalability

The next gen. network appliance, the PUZZLE series, is an uCPE solution consisting of software virtual network functions running on a standard operating system hosted on an open server.

Universal CPE (uCPE) is one of the most compelling use cases of Network Function Virtualization (NFV). Virtualization is the process of creating a software-based, or virtual, representation of something, such as virtual applications, servers, storage and networks. Network functions virtualization or NFV is a network architecture concept.

The IEI PUZZLE system can provide an open universal customer premises equipment (uCPE) solution that offers realtime software-defined wide-area network (SD-WAN) services that support both x86 and ARM architectures with any additional virtual network functions (VNF) services.



» 5G Solution

IEI's PUZZLE series network appliance is developed to meet the low latency and quality of service (QoS) requirements in 5G network. The PUZZLE series allows private companies/organizations to utilize the Virtual Evolved Packet Core (vEPC) framework by deploying Mobile Edge Computing (MEC) and Open Radio Access Network (O-RAN) architecture with network function virtualization (NFV) to replace traditional proprietary hardware equipment.

In order to meet 5G speed, point-to-point latency and service quality, network operators need to upgrade the entire front-end to back-end process. IEI's PUZZLE series can provide solutions for today's IoT that expands massively; it can boost cellular operations, IoT security and network challenges, and drive the Internet future to the edge.

IEI's Network Appliance Series for 5G Solution

- Network maintainability
- Coverage of wireless communication
- Reducing capital expenditure
- Throughput, and high scalability
- Trustworthy
- Security



Full Spectrum of Network Solutions





Wireless Gateway

Wireless gateway routes packets to wired or wireless WAN.

It combines the functions of a wireless access point, a router, and often provides firewall function as well.



WAN Optimization or Wan

The goal of WAN optimization is to speed up the data transfer, to reduce latency and insure bandwidth of access to critical applications and information.



NGFW Firewalls

With the purpose of protecting an organization's network and data assets, the next-generation firewalls offer a deep packet inspection function that goes beyond simple port and protocol inspection by inspecting the data carried in network packets.



5G MEC

5G MEC is a network solution to provide IT service and telecommunication network at the edge. It brings services closer to the users and provides ultra-low latency, high bandwidth, virtualization application and reliable network solution.



Cybersecurity

- Business protection against cyberattacks and data breaches
- Protection for data and networks, end users and endpoint devices
- Business continuity and Regulatory compliance
- Improved recovery time after a breach



Unified Threat Management (UTM)

- Network firewall
- Intrusion detection
- Prevention system (IDS/IPS)
- Gateway, VPN
- Offer cost-effective all-in-one security ideal

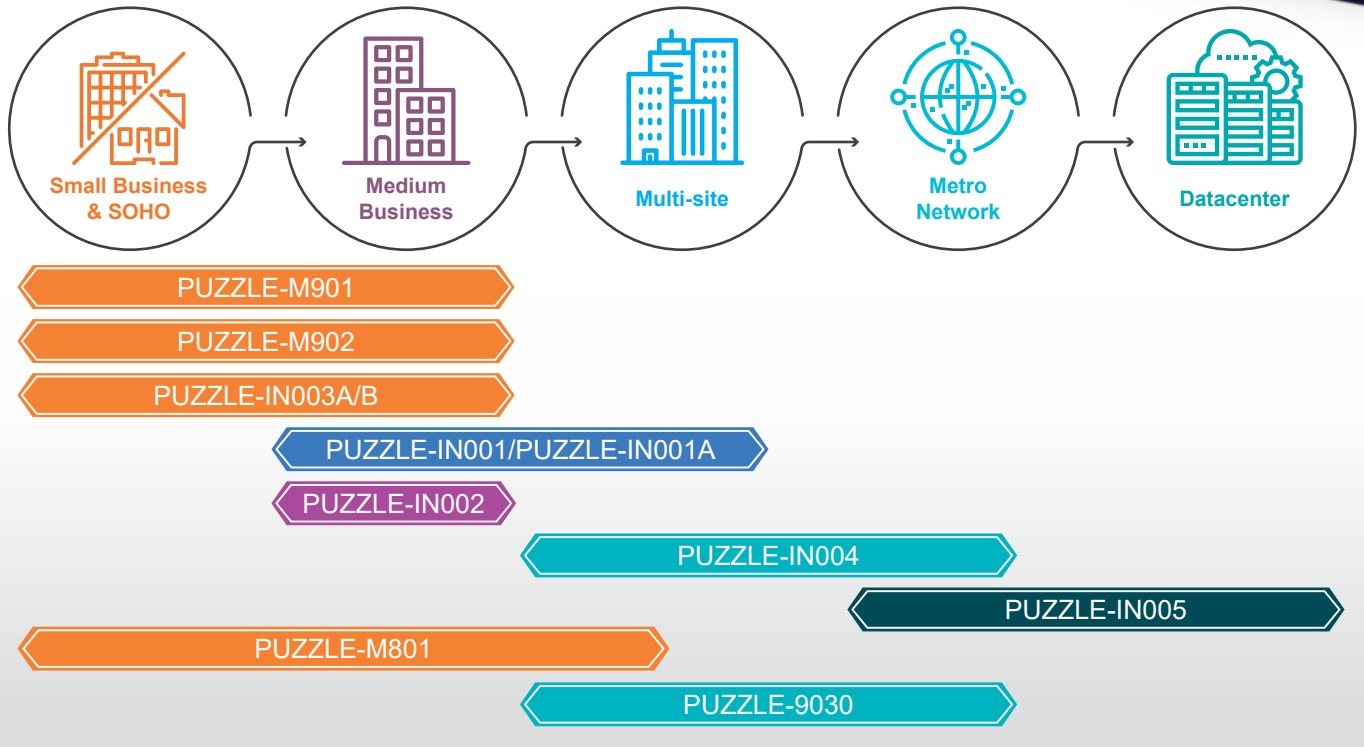


Application Delivery Controller (ADC)

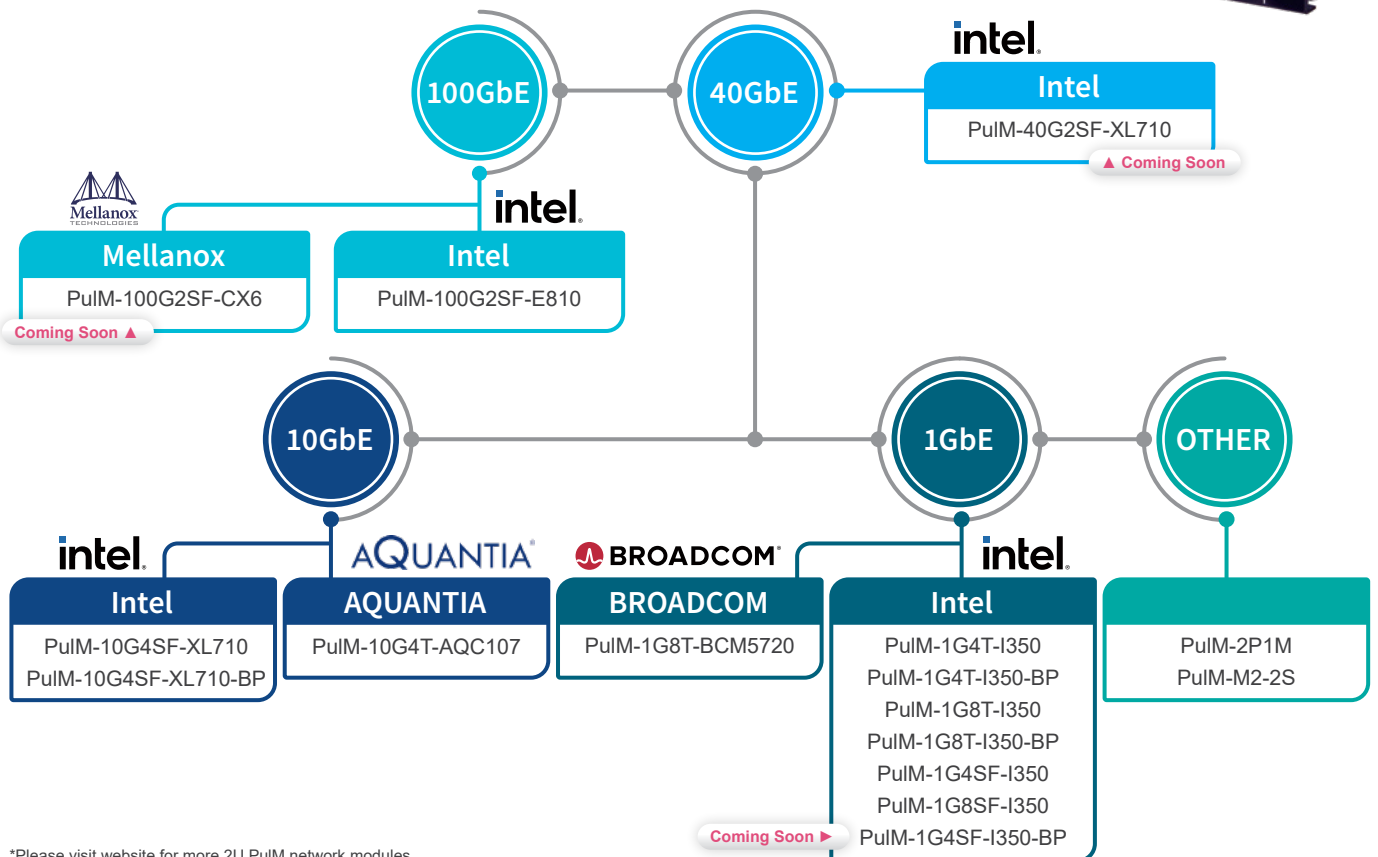
- Improve the performance of web applications in a data center
- A part of an application delivery network (ADN)
- Support multi-tenancy for deployment in data centers
- Support large number of sessions with a fast transaction rate



» Complete Range of PUZZLE Series



» Diverse PuIM Network Modules



*Please visit website for more 2U PuIM network modules.