

# Networking Solution



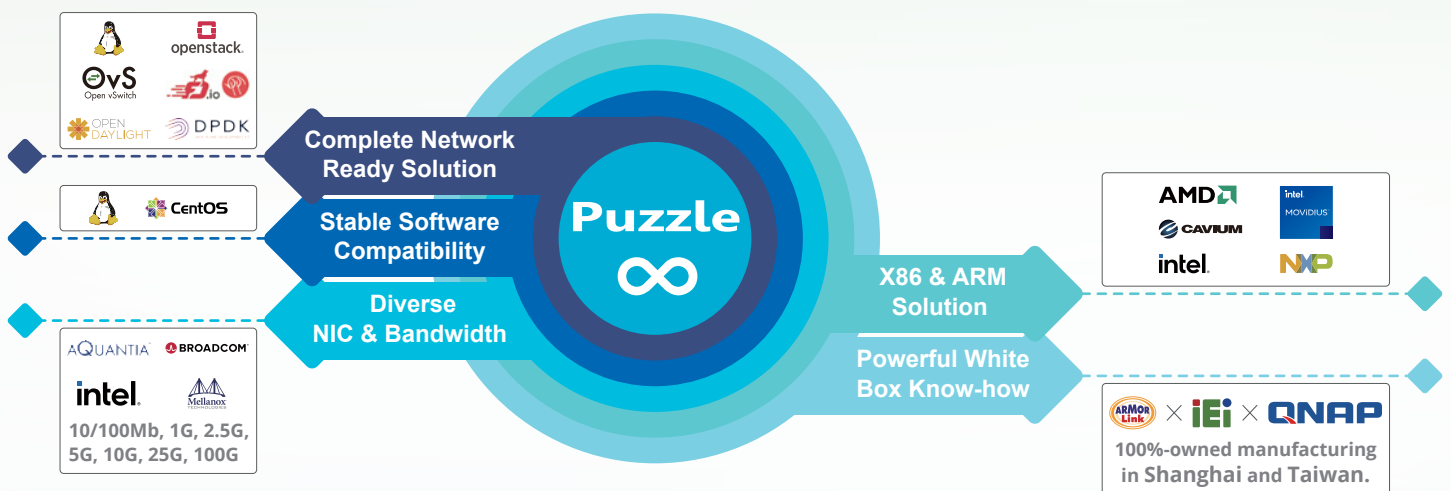
## Why PUZZLE Series?

### 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



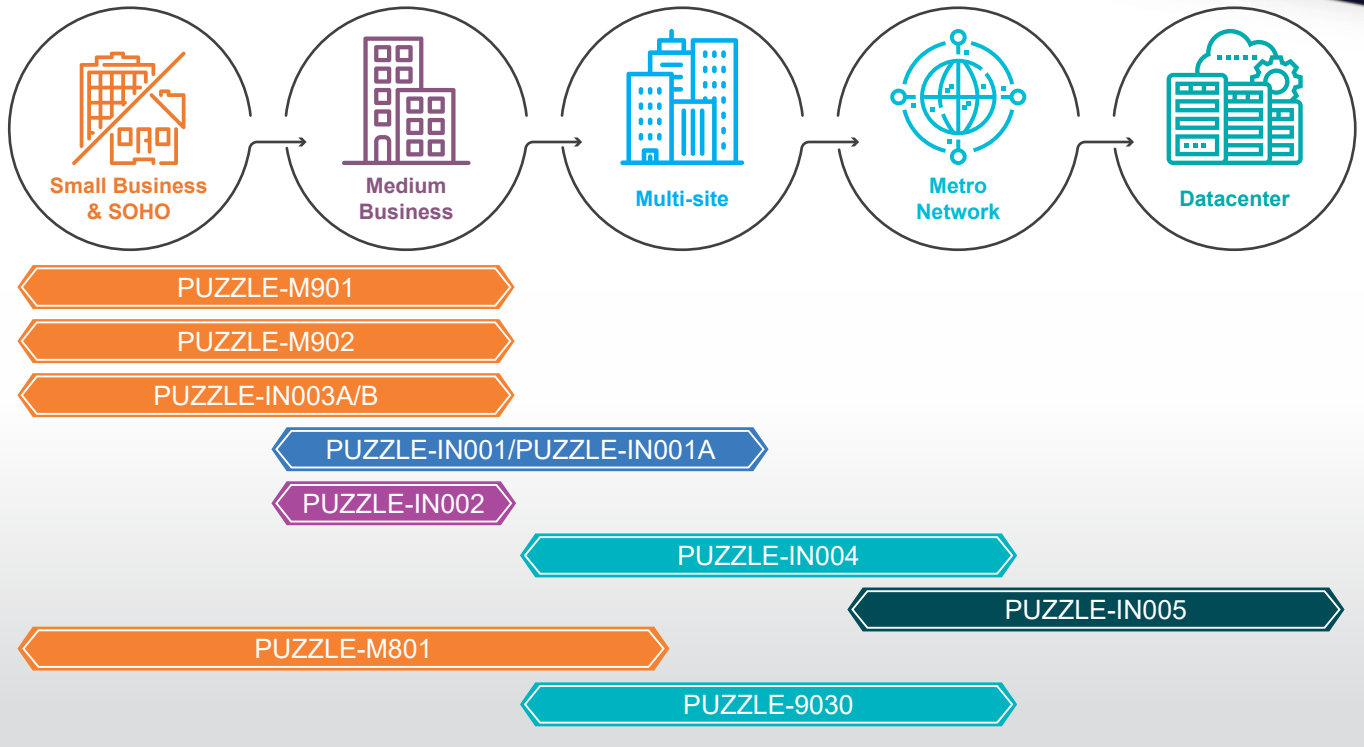
### Application Delivery Controller (ADC)

- 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

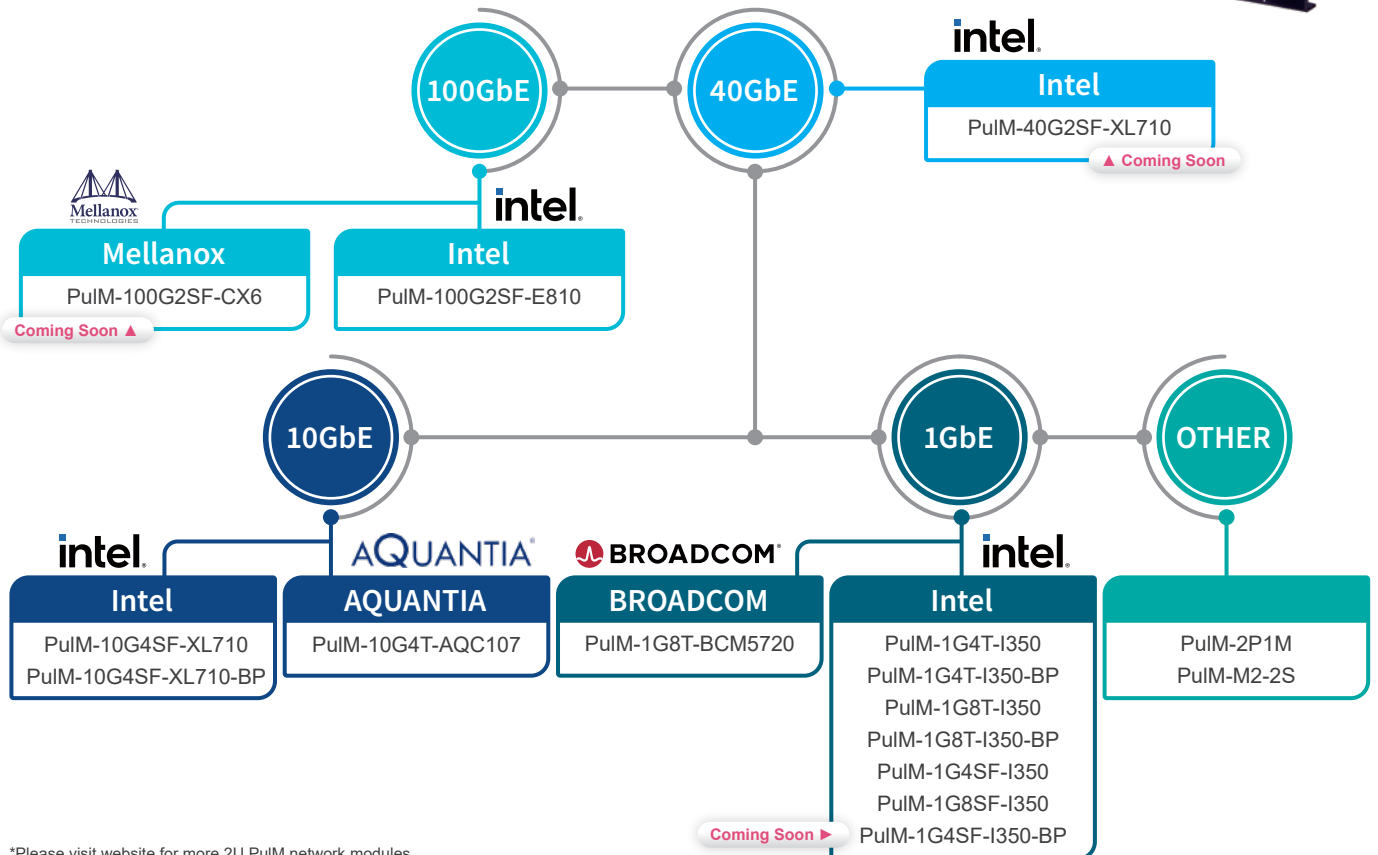




# » Complete Range of PUZZLE Series



# » Diverse PuIM Network Modules



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