



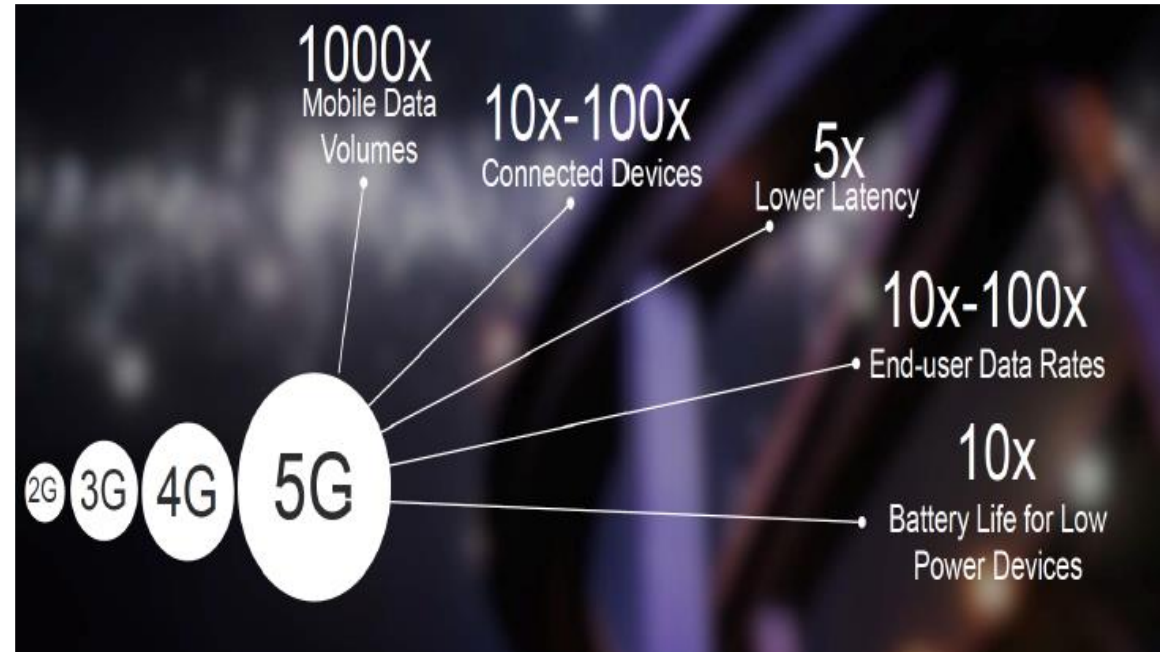
AAEON SDN/NFV Ready

Hardware Solutions

Market @ Glance

- Software-Defined Networking (SDN) and Network Functions Virtualization (NFV) market is expected to grow \$54.41 Billion by 2022, a Compound Annual Growth Rate (CAGR) of 71.4%.
- 70% of CSP's (Communication Service Providers) have conducted Proof Of Concept on SDV/NFV already, 50% will move toward implementation.
- NFV/SDN spending is growing at a 94.3% CAGR from 2016 to 2022, over \$168 billions.

Big Data and Security



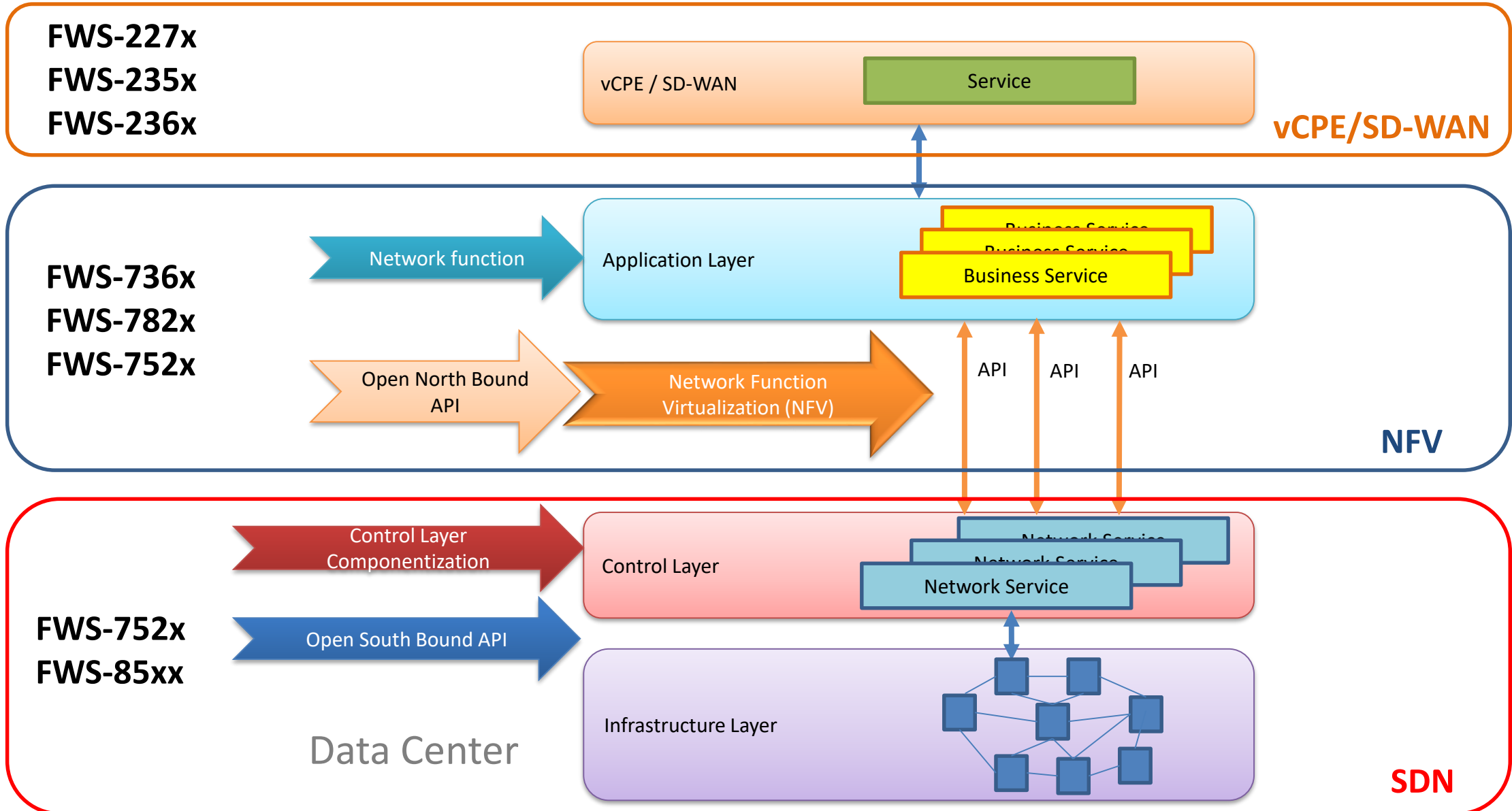
Connectivity, Routing and Security

- 10M+ Routing Rules
- 10,000+ Switches
- 100,000+ Firewall Rules

SLA and Application Visibility

- 300 hours of Video Played/minutes
- 3 – 5M BHCA / BHCS
- 3.5B+ searches / day
- Six Nines Availability

SDN, NFV and vCPE/SD-WAN Solutions



Edge vCPE/SD-WAN Ready

Intel[®] Xeon-D Series SoC CPU
Intel[®] C3000 Series SoC CPU



Intel[®] Ethernet Controller Family *

- Multi-configurable network connectivity **1GbE, 10GbE, 40GbE** Network Interface Module.
- Onboard 1GbE Copper or Fiber



Wireless/Cellular
Support Integration

Intel[®] Quick Assist Technology

- Offloads packet processing Technology



Trusted Platform Module



Intel[®] Data Plane Development Kit

- Packet processing software create the foundation for SDN/NFV, Virtualization and OVS optimization.

* Desktop version only have onboard Network Interface not Modular solution

Edge vCPE/SD-WAN Ready



FWS-2360

Intel® C3000 Series SoC CPU with QAT Support
6 x 1GbE Copper Ports or 4 x 1GbE Copper + 2 x 1GbE SFP Ports
up to 2 x DDR4 SODIMM
2 x SATA III Ports
2 x Mini-PCIe Socket (1 x SIM support)



FWS-2350

Intel® C2000 Series SoC CPU with QAT Support
6 x 1GbE Copper Ports
2 x DDR3 DIMM non-ECC/ECC
1 x CF Socket + 1 x SATA III Port
1 x Mini-PCIe



FWS-227x

Intel® N3350/N4200/E3900 Series SoC CPU
4 – 6 x 1GbE Copper Ports or 4 x 1GbE Copper + 2 x 1GbE SFP Ports
1 x DDR3L SODIMM
2 x Mini-PCIe Socket with SIM support

SDN & NFV Ready

**Intel® Dual Skylake-EP
(Scalable XEON) Series CPU**



**Intel® Ethernet Controller
Family**

- Multi-configurable network connectivity **1GbE, 10GbE, 40GbE** Network Interface Module.



**Configurable Storage
Capability**

- PCIe 3.0 SSD Cards for extreme throughput or HDD/SSD SATAIII storage.

**Intel® Quick Assist
Technology**

- Offloads packet processing Technology



PER-T428 QAT Card

- Intel Coletto Creek



Intel® Data Plane Development Kit

- Packet processing software create the foundation for SDN/NFV, Virtualization and OVS optimization.

SDN & NFV Ready



FWS-8600

Intel[®] Dual Skylake-EP (Scalable XEON) Series CPU
2 x 1GbE Copper Ports Onboard + Up to 8 x NIM Interfaces
16 x DDR4 RDIMMs
Up to 6 x SATA III Supports
Redundant Power Supply
SDN Switch Integration (project based)



FWS-7520

Intel[®] Xeon-D Series SoC CPU
1 x 1GbE Copper + 2 x 10GbE SFP+ Ports Onboard
3 x NIM interfaces
4 x DDR4 RDIMMs
2 x SATA III Ports + 1 x CF Socket
Single or Redundant Power Supply



FWS-7821
FWS-7360

Intel[®] 7th Generation Core-i/Xeon E3 v6 Series CPU
(Intel C3000 version is coming soon)
6 x 1GbE Copper + 2 x 1GbE SFP Ports
1 x NIM Interface
Up to 5 x SATA III Support

1U/2U Network Interface Modules



NIM-S26B

2 x 40GbE QSFP Ports
Intel[®] XL710
No LAN Bypass
PCIe [x8]

- On-Chip QoS and Traffic Management
- VMDq
- SR-IOV
- FPP



NIM-S26C

4 x 10GbE SFP+ Ports
Intel[®] XL710
No LAN Bypass
PCIe [x8]

- On-Chip QoS and Traffic Management
- VMDq
- SR-IOV
- FPP



NIM-S13/S13E

4 – 8 1GbE SFP Ports
Intel[®] 82580EB or Intel i350
2 Pairs LAN Bypass or without
PCIe [x4 + x4]

- With i350:
- On-Chip QoS and Traffic Management
 - VMDq
 - SR-IOV



NIM-C13/C13D

4 – 8 1GbE RJ45 Ports
Intel[®] 82580EB or Intel i350
2 Pairs LAN Bypass or without
PCIe [x4 + x4]

- With i350:
- On-Chip QoS and Traffic Management
 - VMDq
 - SR-IOV

Software and Technologies

Status LED Control

- LED Off
- Bi-color : Red / Green (Solid)
- Red Blinking (Slowly/Quickly)
- Green Blinking (Slowly/Quickly)

LCM Control

- Get LCM Button Key
- LCM LCD On/Off
- Setting String on LCM

Software Program Button

- Get Register while Pin Level High/Low

NIM Recognition

- Network Interface Module Device and Configuration Information's

Advance LAN Bypass

- Power On/Off Bypass Control
- WDT Timeout Mode Control
- BIOS Control and AP Layer Write through BIOS

TPM

- TPM Support
- TPM v1.2 or v2.0 – depends on network appliance model.

IPMI*

- IPMI is essential in mission-critical requirements, enabling for remote monitor, manage and maintenance.

HW Acceleration*

- Intel QAT (Quick Assist Technology)

Intel DPDK

- Support for Intel DPDK

* Not all device support this function/ features, check in detail.



Customization Services

Chassis and carton design/ID, color and Labelling.

Component Integration

- Test and Integrate 3rd party components.

BIOS

- Default Settings
- Adding or removing functions requirements.

DQA, QA and Qualification environment testing



LAN Bypass

- Onboard LAN Bypass removal.

LCM and Front Panel

- LCM can customize cosmetic or function to meet customer need.

Manufacturing Services

- Customer OS/SW Installation
- Customer MAC Address Installation.
- Specific Testing request

Name Plate

- Based on customer Art Work.
- Tailored to meet desire look and feel.



Any questions or more information, please
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