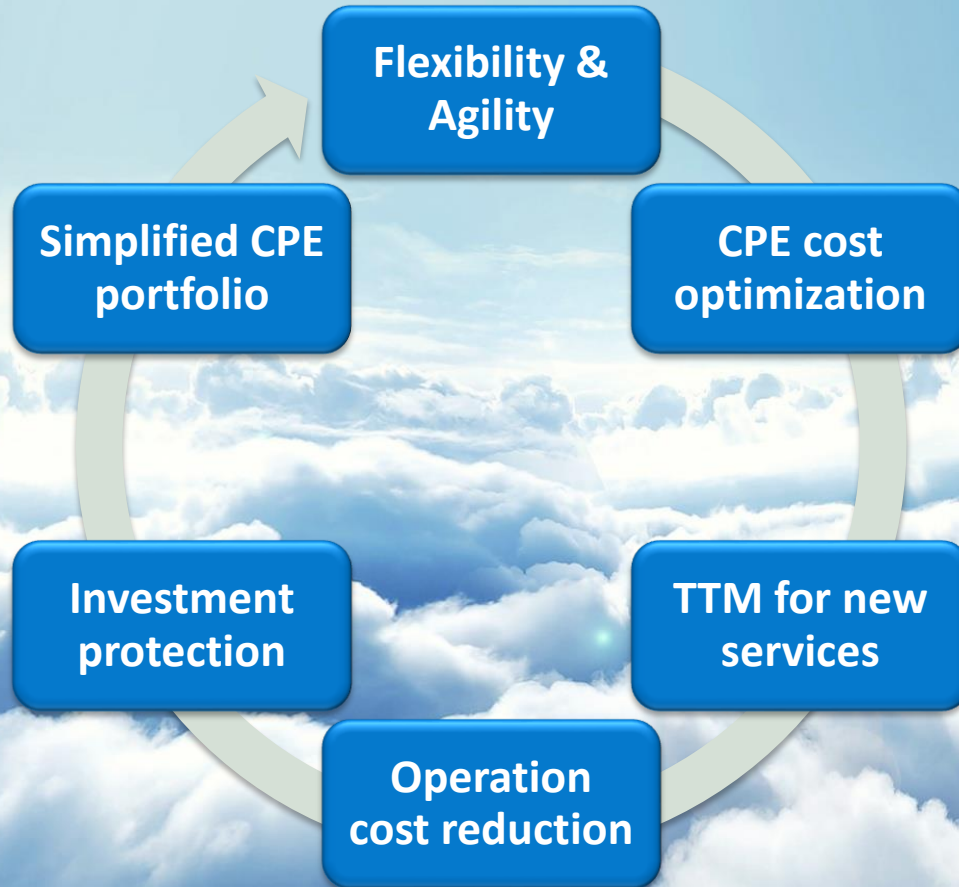


Accelerate time-to-revenue and Intel® Select Solutions



Oscar Martinez, Enterprise Networking Specialist, Advantech

Transformational Goals of Universal CPE



uCPE Challenges Along The Way

The background of the slide is a photograph of a blue athletic track. In the foreground, there are several hurdles with 'SPAR' branding. A runner is visible in the middle ground, wearing a white and red jersey with 'Querinck' on it. The track has white lane markings and some numbers like '2010' and 'BARCEL' are visible.

Interoperability

**Replacing
existing
infrastructure**

**No standardized
hardware
definition**

**Regional
homologation**

**Zero Touch
Provisioning
(ZTP)**

A hand holding a watch over a stack of US dollar bills. The watch has a white face with black numerals and a black leather strap. The background shows several US dollar bills, including a \$100 bill and a \$20 bill, with the Treasury seal visible.

TIME & MONEY

Evaluation

RFI/RFP

Validate

Trial

Go To
Market

Accelerated with Verified Intel® Select Solutions for uCPE

Key Values of Intel® Select Solutions for uCPE

Verified S/W
Framework

Baseline
Performance
Thresholds

Defined
System
Feature sets

Optimum
System
Architecture

Intel® Select Solutions for uCPE with Advantech



FWA-1012VC

Intel Atom® C3000 Processor
Versatile platform for wide-scale deployments



FWA-3050

Intel® Xeon® D-2100 processor
Fully configurable to fit any enterprise deployment



FWA-5070

2nd Gen Intel® Xeon® Scalable processor
Throughput and connectivity capabilities to fit even the most demanding deployments

CAPEX & OPEX Savings

Optimized design with efficient power & cooling

Flexible WAN Connectivity

Choice of hybrid LTE, WiFi, xDSL & SFP+ configurations

Advanced Security

Significant enhancements over pure IT solutions

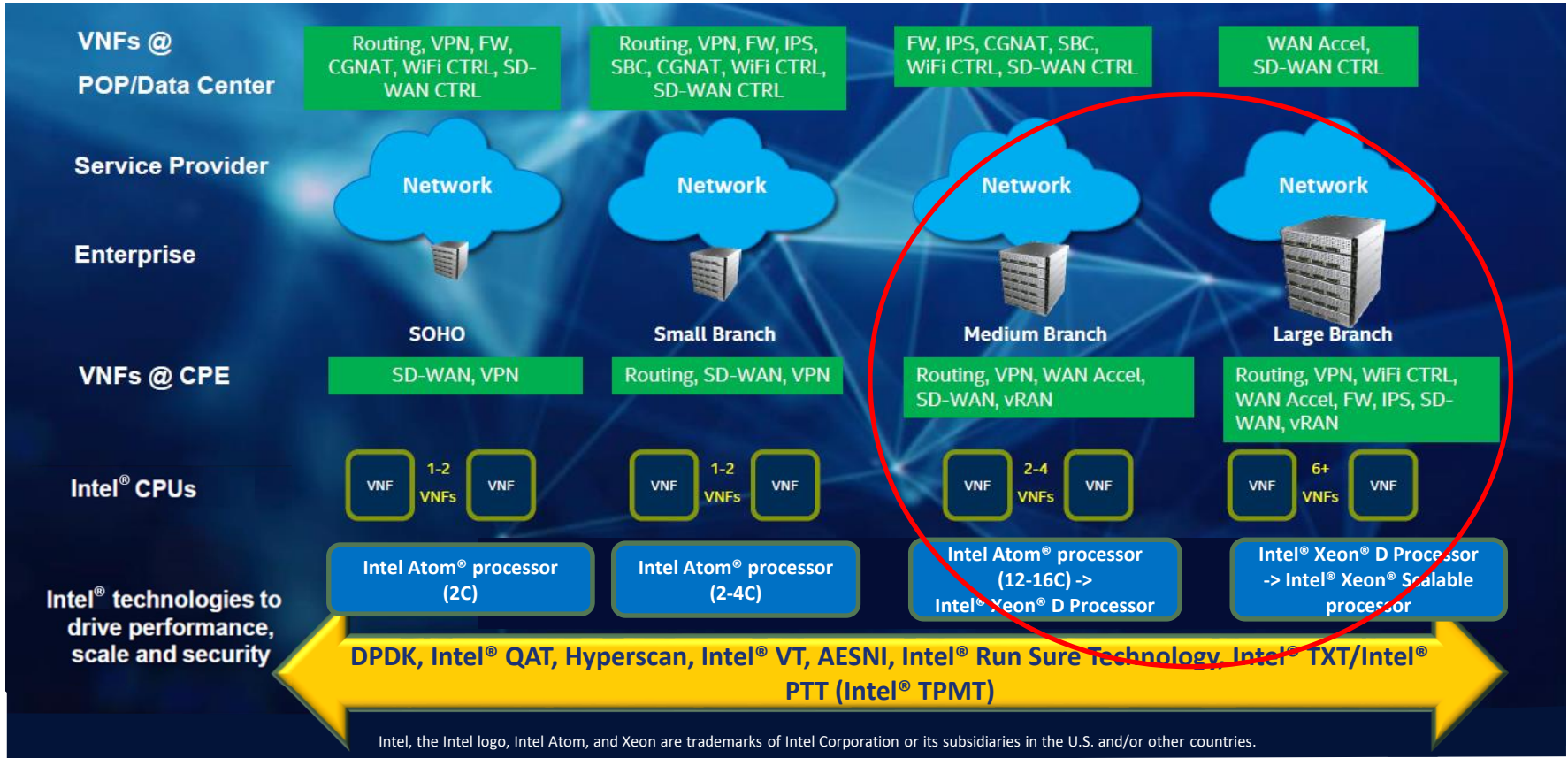
Reduced Deployment Risk

Proven NFV ecosystem interoperability

Maximum Scalability

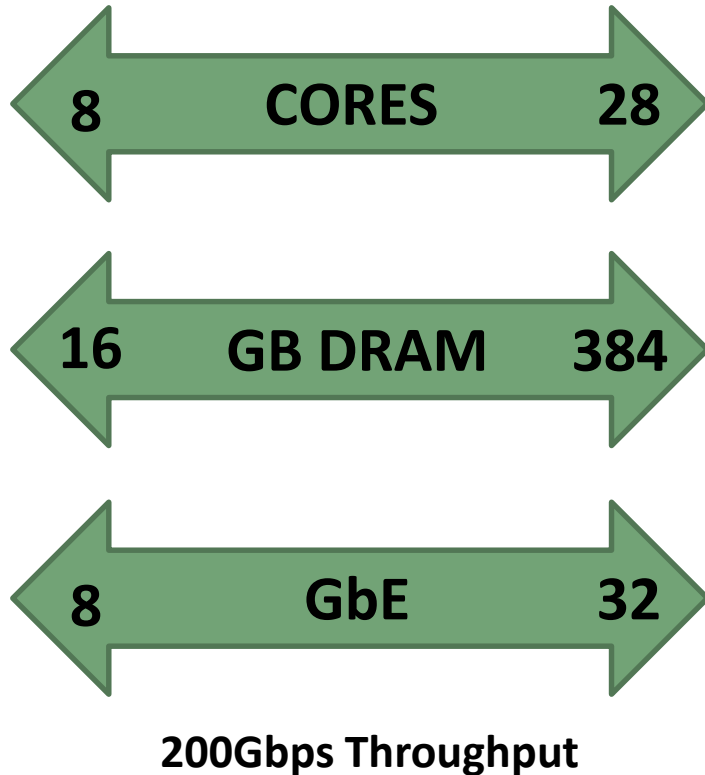
Scale from small businesses to headquarters

Deployment models & Segmentation



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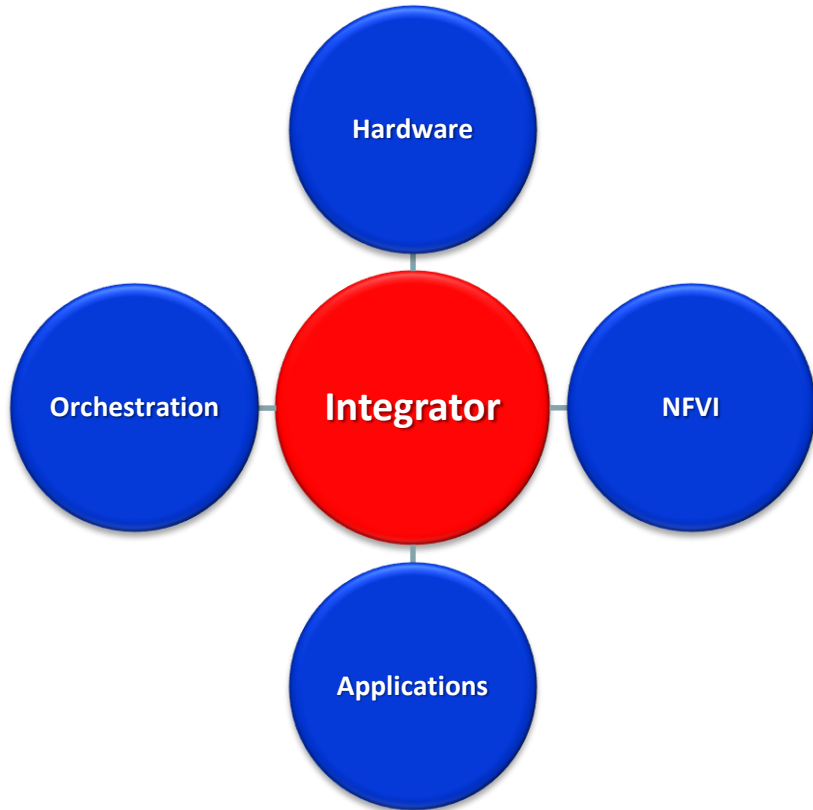
FWA- 5070 extends across multiple use cases



Not ALL uCPEs are equal but...

- **FWA-5070 Core Count covers**
 - 8 Cores FWA-1012
 - 16 Cores FWA-3050
 - 24 Cores FWA-5070
- **FWA-5070 Memory Span covers**
 - ✓ 16GB FWA-1012 (2GB per Core)
 - ✓ 32GB FWA-3050 (2GB per Core)
 - ✓ 48GB FWA-5070 (2GB per Core)
 - ✓ 96GB, 192GB, 384GB FWA-5070
- **FWA-5070 IO Port Span covers**
 - 8x 1GbE FWA-1012VC
 - 16x 1GbE FWA-3050
 - 32x 1GbE FWA-5070
 - 4 NMC slots for 1, 10, 25, 40 & 100GbE mixes

Bringing it all together



- ✓ Not just one blueprint
- ✓ Integrating all blocks is key
- ✓ In a uCPE project any component provider can take the lead
- ✓ Customers ultimately start with, or transition to a SPOC

Time is \$ - Shift gear with Intel® Network Builders

	Ensemble Suite on Advantech Whitebox uCPE		Full service Integration for Universal CPE Deployment
	White box uCPE with Carrier-Class Capabilities		NFV Integration for Universal CPE Deployment
	Lightweight to Hi-End uCPE and SD-WAN Solutions		Intel® Select Solutions for uCPE Deployment
	Open uCPE Portfolio for SMB Segment		Remote Evaluation of Intel® Select Solutions for uCPE in Advanced Technology Labs
	NFV-Based Solution for SD-WAN and SD-Security		
	Remote Evaluation Portal for White-box uCPE Testing	In addition, Advantech works with Intel on Intel® Select Solutions for uCPE. Find our verified configurations at www.advantech.com/nc/spotlight/Intel-uCPE	

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ADVA, KGPCo & Advantech Announce Intel® Select Solutions for uCPE on 2nd Gen Intel® Xeon® Scalable processors



Press Release

ADVANTECH

Advantech Announces Intel® Select Solutions for uCPE to Address High-end Enterprise Networking Demand

- *White-box uCPE portfolio boosted by 2nd Gen Intel® Xeon® Scalable Processors*
- *Fully validated, pre-integrated and ready to deploy with ADVA Ensemble Connector*
- *Just-in-time integration flexibility helps streamline uCPE supply chain costs*
- *Available as a fully serviced platform under the KGPCo Premier Brand*

TAIPEI, Taiwan, September 17, 2019 – Advantech (TWSE: 2395.TW) – today announced a major addition to its verified Intel Select Solutions for uCPE portfolio aimed at streamlining communication service provider (CommSP) onboarding and deployment of high-performance white-box uCPEs.

ADVANTECH

Solution Brief

Intel® Select Solution for uCPE
Intel® Xeon® Processor D-2100
2nd Gen. Intel® Xeon® Scalable Processors

Intel® Select Solutions for uCPE with Advantech White Boxes

Overview

Imagine a network where a new branch office or retail outlet can be brought online and securely connected to a corporate WAN via the internet in minutes. A network where managed service providers or enterprise IT departments are able to remotely deploy virtual network functions and instantiate new network service chains in a matter of seconds using state-of-the-art management and orchestration tools. A network store where network administrators can purchase and deploy new services at the click of a button through self-service portals. And ultimately a network that is abstracted from the physical to provide unprecedented agility and cost efficiencies.

There is no need to imagine further. Thanks to their increasing adoption of software defined networking (SDN), software defined wide area networking

DEPLOYMENT ACCELERATION

The Advantech FWA-3050 & FWA-5070 provide the ultimate choice in white-box uCPE scalability and are verified as Intel® Select Solutions for uCPE. They provide enterprise customers and communications service

ADVANTECH

Visit www.ucpe.tech

Advantech Intel® Select Solutions Resources

www.advantech.com/nc/newsletter/Intel-NFVI

www.advantech.com/nc/newsletter/Intel-uCPE

