ÚJDONSÁGOK AZ ALCATEL-LUCENT ENTERPRIES ADATOS KÍNÁLATÁBAN

Luky Gábor

AL-E International, pre-sales mérnök

Tartalom

- Új LAN switching megoldások az SMB szektor számára

- Intelligent Fabric és új Core/DC switching platformok

- 802.11ac wave 2

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TOP SMB BUSINESS ISSUES, PRIORITIES AND IT CHALLENGES

Top IT Priorities for 2015   OS6350

- **Mobility Solutions**

  - **Secure LAN/Wireless LAN and APs** ✓

- **Collaboration**

  - **IP Telephony, OpenTouch, Multi-media and Devices** ✓

- **IoT & Converged Infrastructure**

  - **Single Vendor Voice/Data/Wi-Fi solution Tested and Validated** ✓

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OMNISWITCH 6350 GIGABIT ETHERNET SWITCH
PRODUCT OVERVIEW

OmniSwitch 6350-24
OmniSwitch 6350-P24

- OmniSwitch 6350 Family of Gigabit Ethernet Switches
  - Four fixed configurations (24-/48-ports, with/without PoE)
  - Supports Gigabit RJ-45 access and up to four dedicated Gigabit SFP uplinks
  - Has a fixed power supply
  - Priced between the OS6250 and OS6450 families

OmniSwitch 6350-48
OmniSwitch 6350-P48

- Limited feature set for the SMB Market:
  - Auto-configurable via OmniPCX Office
  - Limited applicability to other markets:
    - **No** 10Gbps Uplinks, **No** Stacking, **No** redundant or external P/S options
    - Limited software features: **No** Unified Access, **No** BYOD, **No** Metro Ethernet, **No** SDN

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OmniSwitch 6350 Models

Model	100/1000 RJ-45 access ports	Fixed SFP 1G Uplink ports	Power Supply
OS6350-24	24	4	Internal Primary
OS6350-P24	24 (PoE)	4	Internal Primary (380W)
OS6350-48	48	4	Internal Primary
OS6350-P48	48 (PoE)	4	Internal Primary (780W)

OS6350 models:
- 4 total models -24 (fan-less), -P24, -48 and -P48
- Internal power supply on all models
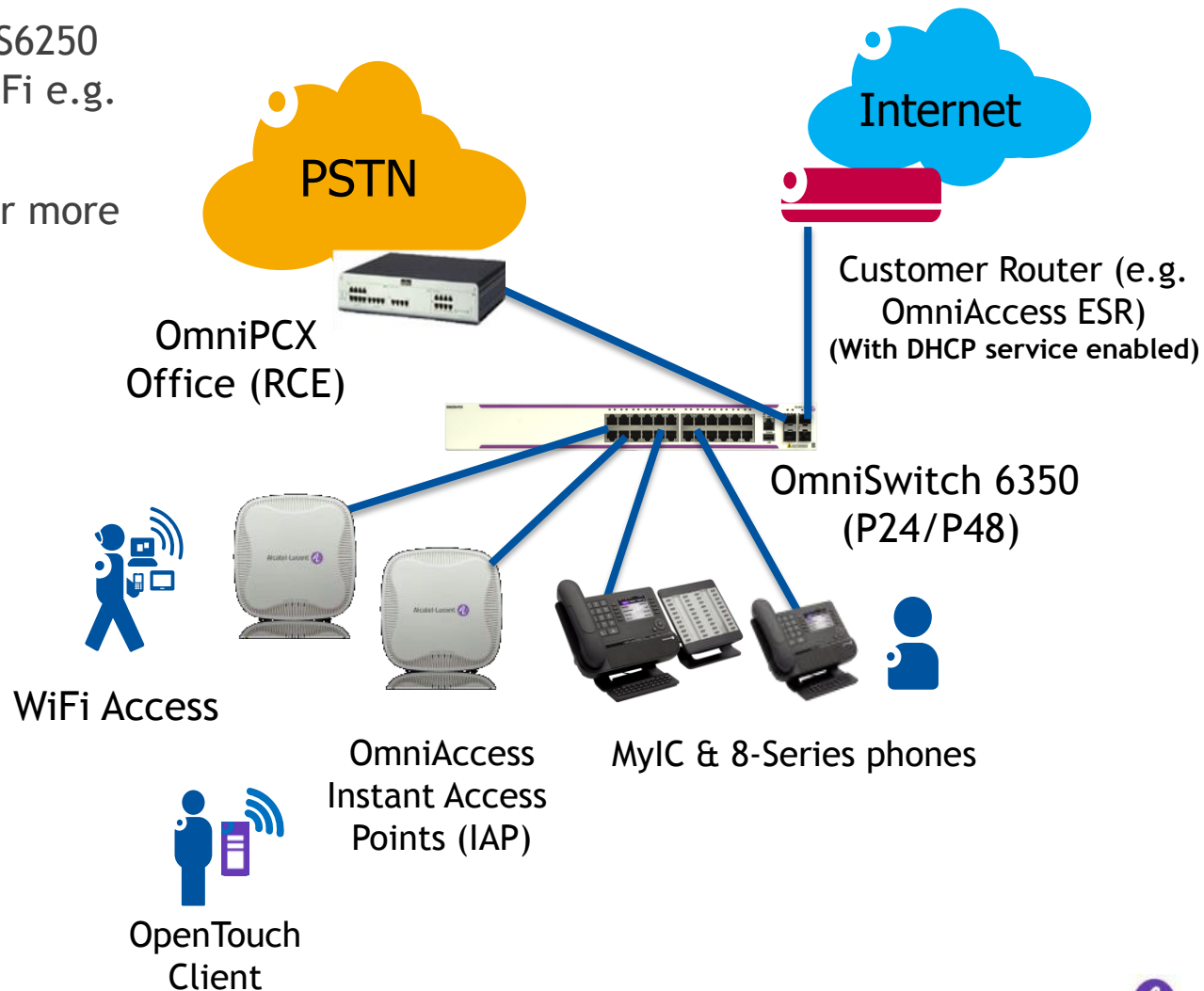- No stacking, expansion modules or backup power supplies supported

PoE model
- All PoE user ports of 802.3af/.at compliant
- 380W power budget for P24 and 780W power budget for P48

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SMB – OS6350 SOLUTION EXAMPLE
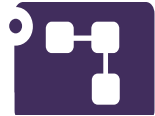# NETWORK MOBILITY + IP TELEPHONY SOLUTION

- Higher performance than OS6250 is required for next gen Wi-Fi e.g. 802.11n and 802.11ac

- Lower price than OS6450 for more competitive SMB solution

- Stacking is not needed for 20-100 users

- 10 Gig uplinks not required (up to 4 x 1 Gig uplinks are more than sufficient)

PSTN

Internet

Customer Router (e.g. OmniAccess ESR)
(With DHCP service enabled)

OmniPCX Office (RCE)

OmniSwitch 6350 (P24/P48)

WiFi Access

OmniAccess Instant Access Points (IAP)

MyIC & 8-Series phones

OpenTouch Client

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TECHNOLOGY INNOVATION
NETWORK TO FABRIC, FABRIC TO **INTELLIGENT FABRIC**

- ✓ Simplified, right sized Architecture
- ✓ Self
- ✓ Self
- ✓ Self in Se
- ✓ Appl visibility
- ✓ SDN enabled
- ✓ Programmable

Intelligent Fabric

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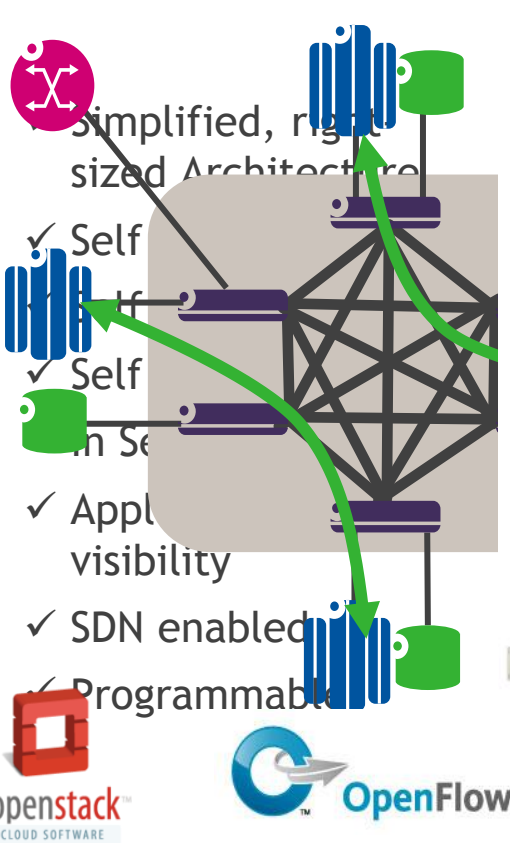
- ➤ Easier design, faster deployment to reduce time, errors and costs

AND RESILIENT

- ➤ Efficient network operations and easier troubleshooting **AGE**

ONS AND NETWORK
- ➤ Rapid integration with applications leading to business agility

- ➤ Enabling trend analysis for smarter investment

openstack™
CLOUD SOFTWARE

OpenFlow

Best of **INTEROP**
2015 Networking Winner

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INCREASING THE SCALABILITY
OS6900-Q32 & OS6900-X72

- **OS6900-Q32**
  - 32 x 40G QSFP+ fixed ports
  - 104 x 10G ports with splitter cables
  - 2,56 Tbps L3 switching capacity

- **OS6900-X72**
  - 6 x 40G QSFP+ fixed ports + 48 x 10G ports
  - 72 x 10G ports with splitter cables
  - 1,44 Tbps L3 switching capacity

- VXLAN hardware gateway support
- ~500 Nanosecond latency
- Interoperates with all current OS6900 models
- Can operate in a Virtual Chassis up to 6 units
- Positioned as Spine Layer or ToR
- Positioned as small core

OS6900-Q32 & OS6900-X72 PROVIDING VERSATILITY WITH INCREASED OPTIONS

MESH ARCHITECTURE EVOLUTION
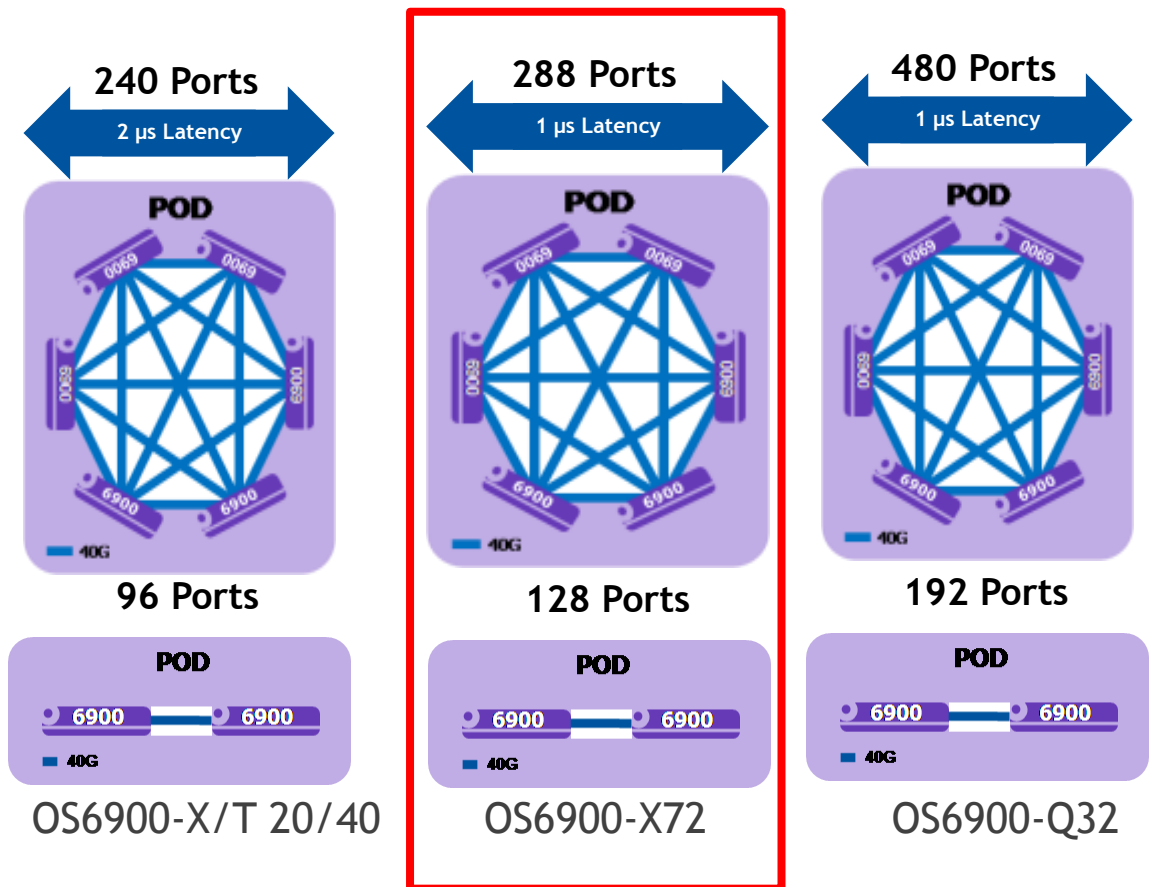
Unique Management
- POD size up to 6 elements
- Mix & match any model

Unified Control
- Unified control plane
- Interface for OpenFlow controller in API mode
- REST interface

Distributed forwarding for Performance
- All functions with distributed forwarding
- VxLAN/NVGRE Gateway
- VxLAN tunnel auto-QOS
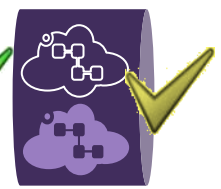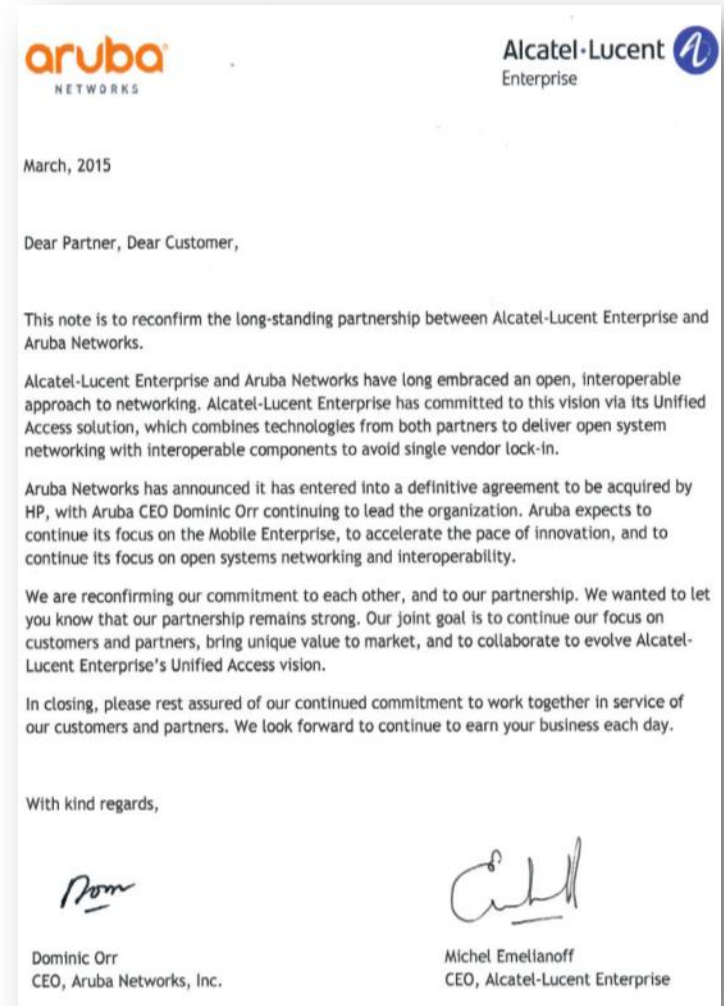- 10G-Base-T & FC ports

240 Ports
2 µs Latency

288 Ports
1 µs Latency

480 Ports
1 µs Latency

96 Ports

128 Ports

192 Ports

OS6900-X/T 20/40

OS6900-X72

OS6900-Q32

L2 services

L3 services

OpenFlow

NV overlay

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OUR PARTNERSHIP REMAINS STRONG
"WE ARE RECONFIRMING OUR COMMITMENT TO EACH OTHER, AND TO OUR PARTNERSHIP."

aruba NETWORKS   Alcatel·Lucent Enterprise

March, 2015

Dear Partner, Dear Customer,

This note is to reconfirm the long-standing partnership between Alcatel-Lucent Enterprise and Aruba Networks.

Alcatel-Lucent Enterprise and Aruba Networks have long embraced an open, interoperable approach to networking. Alcatel-Lucent Enterprise has committed to this vision via its Unified Access solution, which combines technologies from both partners to deliver open system networking with interoperable components to avoid single vendor lock-in.

Aruba Networks has announced it has entered into a definitive agreement to be acquired by HP, with Aruba CEO Dominic Orr continuing to lead the organization. Aruba expects to continue its focus on the Mobile Enterprise, to accelerate the pace of innovation, and to continue its focus on open systems networking and interoperability.

We are reconfirming our commitment to each other, and to our partnership. We wanted to let you know that our partnership remains strong. Our joint goal is to continue our focus on customers and partners, bring unique value to market, and to collaborate to evolve Alcatel-Lucent Enterprise's Unified Access vision.

In closing, please rest assured of our continued commitment to work together in service of our customers and partners. We look forward to continue to earn your business each day.

With kind regards,

Dominic Orr
CEO, Aruba Networks, Inc.

Michel Emelianoff
CEO, Alcatel-Lucent Enterprise

[Exclusive interview](#) with Michel Emelianoff, CEO ALE and Dominic Orr, CEO Aruba on our long-standing business partnership.
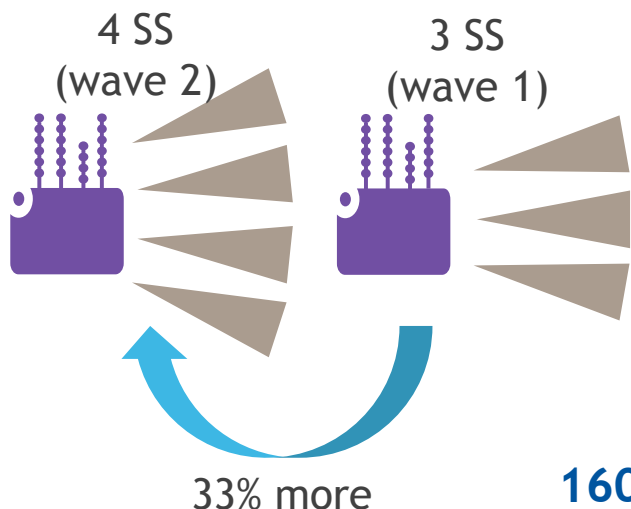
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802.11ac wave 2
what's new?

Multi User MIMO

MU-MIMO (wave 2)   SU-MIMO (wave 1)

Four Spatial Streams

4 SS
(wave 2)   3 SS
(wave 1)

33% more

160 MHz Channel

40 MHz

80 MHz   Max AC
wave 1

160
MHz   Max AC
wave 2

Main customer benefits:
- Faster speeds: 433Mbps, 866Mbps, 1.7Gbps (80MHz)
- Simultaneous connections

HIGHER QUALITY MOBILE USER EXPERIENCE

WLAN ACCESS POINTS PRODUCT FAMILY

Indoor Access Points

320 series Wave 2
Highest capacity
2.5 Gbps (802.11)
NEW

220 series Wave 1
Highest density
Dual uplink
1.9 Gpbs (802.11)
NEW

210 series Wave 1
Carpeted space
1.9 Gbps (802.11)

200 series Wave 1
Lower density
1.2 Gbps (802.11)

100 series
802.11n

Remote APs

RAP-3
3 ports

RAP-109
4 ports

RAP-155
4 ports

205H
NEW
3 ports
802.11ac

Outdoor Access Points

270 Series
First & only
enterprise-
grade 11ac
NEW

Hospitality Access Points

205H
3 ports
802.11ac
NEW

AP-103H
2 ports
802.11n

WELCOME TO THE NEW PC ERA

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