



UI Data Center Series

UniFi Switch Leaf

1/22/2020

Preliminary

UniFi Data Center Series – USW Leaf

UniFi Data Center Series is a new product line from Ubiquiti. The UniFi Switch Leaf is the first product and it will be followed by the UniFi Switch Spine. List price of the UniFi Switch Leaf is \$1999.



Part of the UniFi Family

Expand UniFi to your data center. Seamless integration with other UniFi products.



Superior Value

Makes data centers more affordable. Costs are a fraction of other products on the market.



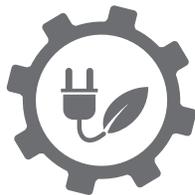
True Performance

3.6 Tbps performance meets the needs of most TOR applications.



No Software Fees

Comes with an integrated Linux-based NOS. Free software maintenance and support.



Energy-Efficient and Quiet

Low power consumption reduces data center electricity and cooling costs.

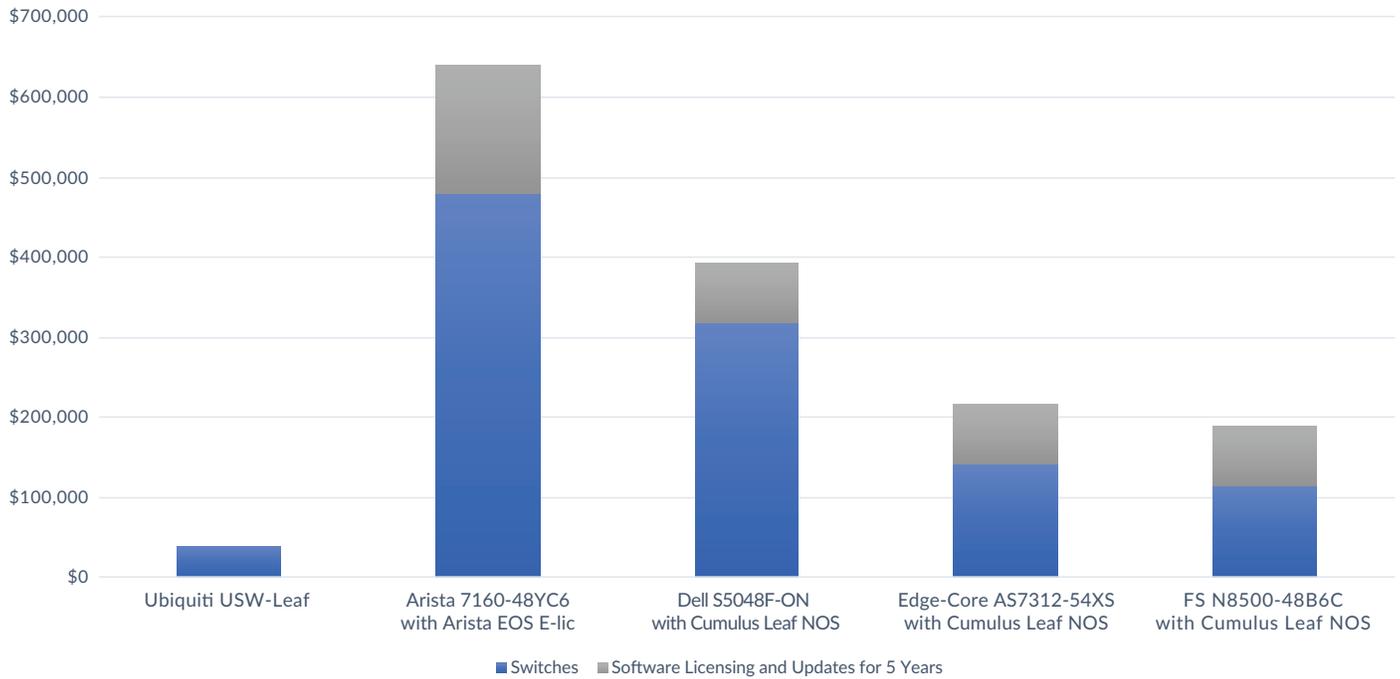


Evolving Feature Set

Expect software upgrades with new features and enhancements.

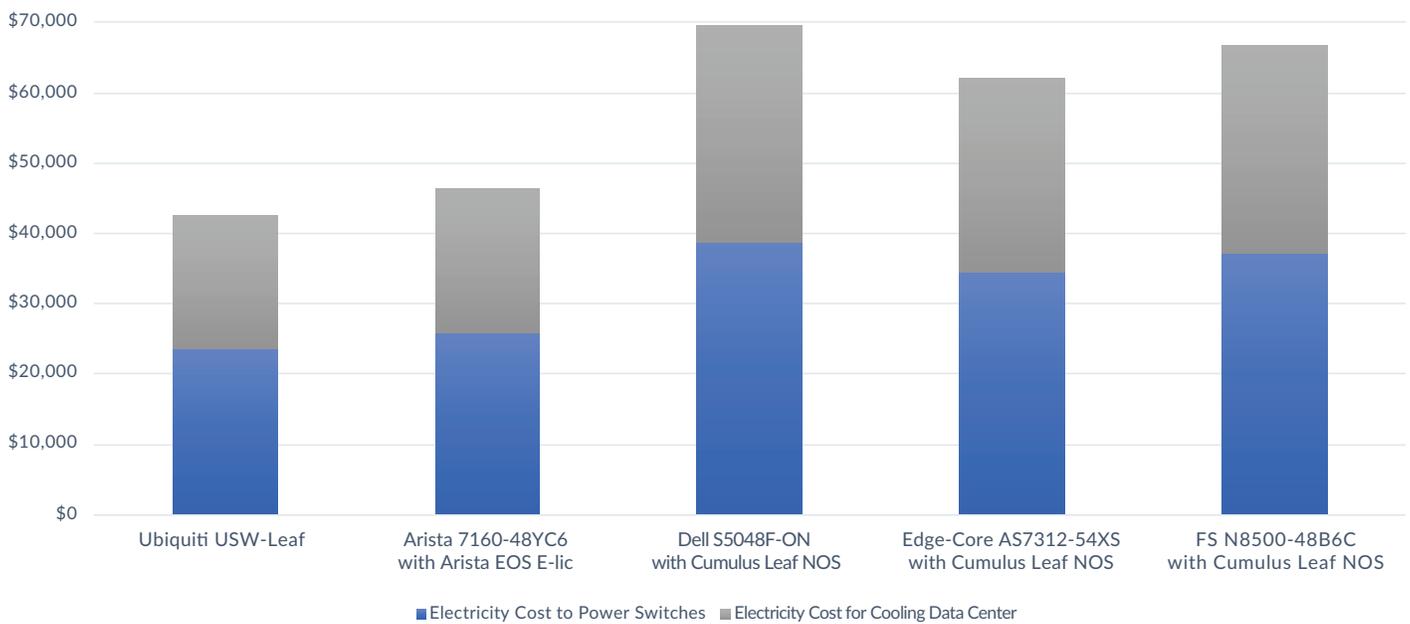
Comparison of 3.6 Tbps Switches* with Forty-Eight 25G Ports and Six 100G Ports

Product Costs: 20 Switches, 5 Years



* Similar port and performance characteristics. Costs are calculated based on list prices.

Electricity Costs: 20 Switches, 5 Years



Note: Based on cost of electricity at \$0.1284/kWh

Note: Used 60% of maximum power rating as average, data center cooling cost 80% of the total switch appliance electricity consumption

USW-Leaf	
Interfaces Networking Management	(48) 10/25G SFP28 Ethernet Ports (6) 40/100G QSFP28 Ethernet Ports (1) Bluetooth BLE 4.1 (1) USB Type C Port, Out-of-Band (1) Reset Button, Factory Defaults
Switching Capacity (Full-Duplex)	3.6 Tbps
Forwarding Performance	2.68 Bpps
MAC Addresses Table	224,000 Max.
Maximum VLANs	4000
IP Routes	>448,000
CPU	Quad-Core ARM Cortex-A57
RAM	8 GB
Packet Buffer	20 MB
Display	1.3" Color Touchscreen
Power Supply Input Voltage Range	(2) AC/DC, Internal 350W 1+1 Redundancy 100-240VAC, 4A Max, 50/60 Hz, x2
Max. Power Consumption Excluding SFP28/ QSFP28 Modules	175W
Including Full SFP28/ QSFP28 Modules	350W
Cooling	6 Fans, Internal N+2 Fan Redundancy (+30° C) Front-to-Rear Airflow Design
Physical Dimensions Form Factor Dimensions Weight	1U 442.4 x 440 x 43.7 mm (17.42 x 17.32 x 1.72") 8.00 kg (17.64 lb)
Operating Conditions Temperature Humidity	-5 to 40° C (23 to 104° F) 10 - 90% Noncondensing
ESD/EMP Protection	Air: ± 12 kV, Contact: ± 12 kV
Certifications	CE, FCC, IC

USW-Leaf	
Network Management	UniFi Network Controller CLI (USB Type-C Console) SNMP v1, v2, v3 System Management and Extensive Network Monitoring with UniFi Network Controller
Layer 2 Features	802.1D Spanning Tree Protocol 802.1w Rapid Spanning Tree Protocol 802.1s Multiple Spanning Tree Protocol 802.1Q VLANs (4000) 802.3ad Link Aggregation/LACP 802.1AB Link Layer Discovery Protocol (LLDP) 802.3 Flow Control Jumbo Frames (9216 Bytes) Storm Control SFP+/SFP28 Auto-Detect QSFP+/QSFP28 Auto-Detect
Layer 3 Features	OSPF 2/3 BGP4 PBR ECMP Static Routing Static ARP Inter-VLAN Routing VxLAN L3 ACL



Specifications are subject to change.
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