



OmniSwitch Product Line Matrix

LAN products comparison guide



Click on each product picture to get the product **datasheet**

	Family	OmniSwitch 6860E/N	OmniSwitch 6870	OmniSwitch 6900	OmniSwitch 9900
	Class	Advanced Stack	Advanced Stack	Core Stack	Core Chassis
	Hardware Limited Lifetime Warranty	✓	✓	✓	✓
	Max Capacity	1020 Gbps	2 Tbps	6.4 Tbps	25.6 Tbps / 51.2 Tbps
INTERFACES	RJ45 GigE	✓	✓	✓	✓
	MultiGig	✓	✓	✗	✓
	10Gbase-T	✓	✓	✓	✓
	SFP	✓	✓	✓	✓
	SFP+	✓	✓	✓	✓
	SFP28	✓	✓	✓	✗
	QSFP+	✓	✓	✓	✓
	QSFP28	✓	✓	✓	✓
POE	PoE	✓	✓	✗	✓
	802.3bt	✓	✓	NA	✗
	Max PoE budget	3 390 W	3 311 W	NA	10 800 W
	Fast / Perpetual PoE	✓	✓	NA	✗
REDUNDANCY	Power supply redundancy	✓	✓	✓	✓
	Alarm contacts	✗	✗	✗	✗
	Virtual Chassis Size	8	8	6	OS9907 2 / OS9912 ¹
	Max VFL speed	100G	200G	100G	100G
INDUSTRIAL	1588v2	✓	✓	✗	✗
	MACsec	✓	✓	✓	✓
	ERP	✓	✓	✓	✓
	MRP	✗	✗	✗	✗
AUTOMATION	ZTP	✓	✓	✓	✓
	Intelligent Fabric	✓	✓	✓	✓
	IoT device profiling	✓	✓	✓	✓
	Programmability	Rest / Python	Rest / Python	Rest / Python	Rest / Python
SIZE	Height	1 RU	1 RU	1 RU	11/17.25 RU
	Switch Width	Full Rack	Full Rack	Full Rack	Full Rack
	Depth	35 - 44 cm	35 - 44.2 cm	47 - 56 cm	58.4 cm
SCALABILITY	Max MAC capacity	64K	128K	228K	128K
	Max ARP capacity	24K	64K	48K	64K
	Max Route capacity	144K	116K	324K	128K
ROUTING	Static Route	✓	✓	✓	✓
	RIP	✓	✓	✓	✓
	OSPF	✓	✓	✓	✓
	BGP	✓	✓	✓	✓
VIRTUALIZATION	SPB	✓	✓	✓	✓
	VxLAN	✓	✓	✓	✓
	MPLS	✓	✓ ¹	✓ ¹	✓ ¹
DC	OVSDB	✗	✗	✓	✗
	RoCE	✗	✗	✓	✗
	Nutanix Support	✗	✗	✓	✗
MISC.	ISSU	✓	✓	✓	✓
	DIN rail mounting	✗	✗	✗	✗
	DNV certified models	✗	✗	✗	✗

1 Support planned in future release
2 OS2260 and OS2360 are **not available for sale in the US**
RU : Rack Unit
* Din mout 8 cm

The feature support and the scalability may be different based on each model. Please refer to the [datasheet](#) and latest [release note](#) for more details.

Click on each product picture to get the product **datasheet**

ALE OmniSwitch for a future- proof network infrastructure

With their advanced features, those switches are meant for data centers, enterprises, and campus networks, providing:

- **scalability**,
- seamless **connectivity**,
- and robust **security**.

	Family	OmniSwitch 2260 2360		OmniSwitch 6360	OmniSwitch 6560/E	OmniSwitch 6465T	OmniSwitch 6465	OmniSwitch 6865	OmniSwitch 6570M
	Class	SMB Value Stack		Value Stack	Value Stack	Extended Temp. Stack	Hardened Stack	Hardened Stack	Value Stack
	Hardware Limited Lifetime Warranty	✓		✓	✓	✓	✓	✓	✓
	Max Capacity	180 Gbps		182 Gbps	324 Gbps	24 Gbps	128 Gbps	208 Gbps	210 Gbps
INTERFACES	RJ45 GigE	✓		✓	✓	✓	✓	✓	✓
	MultiGig	✗		✓	✓	✗	✗	✗	✓
	10Gbase-T	✗		✓	✗	✗	✗	✗	✗
	SFP	✓		✓	✓	✓	✓	✓	✓
	SFP+	✓		✓	✓	✗	✓	✓	✓
	SFP28	✗		✗	✗	✗	✗	✗	✗
	QSFP+	✗		✗	✗	✗	✗	✗	✗
	QSFP28	✗		✗	✗	✗	✗	✗	✗
POE	PoE	✓		✓	✓	✓	✓	✓	✗
	802.3bt	✗		✓	✓	✗	✓	✓	✗
	Max PoE budget	740 W		760 W	1 645 W	115 W	285 W	300 W	✗
	Fast / Perpetual PoE	✓		✓	✗	✗	✓	✓	✗
REDUNDANCY	Power supply redundancy	✗		✗	✓	✗	✓	✓	✓
	Alarm contacts	✗		✗	✗	✗	✓	✗	✗
	Virtual Chassis Size	1	8	8	8	4	4	8	4
	Max VFL speed	10G	10G	10G	20G	1G	10G	20G	10G
INDUSTRIAL	1588v2	✗		✗	✓	✓	✓	✓	✗
	MACsec	✗		✗	✓	✓	✓	✗	✓
	ERP	✗		✓	✓	✓	✓	✓	✓
	MRP	✗		✗	✗	✓	✓	✓	✗
AUTOMATION	ZTP	✓		✓	✓	✓	✓	✓	✓
	Intelligent Fabric	✗		✓	✓	✓	✓	✓	✓
	IoT device profiling	✗		✓	✓	✓	✓	✓	✓
	Programmability	✗		Rest / Python	Rest / Python	Rest / Python	Rest / Python	Rest / Python	Rest / Python
SIZE	Height	1 RU		1 RU	1 RU	1 RU	4.4 - 15 cm	1 or 2 RU	1 RU
	Switch Width	Half Rack or Full Rack		Half Rack or Full Rack	Full Rack	Half Rack	Din mount* or Full Rack	Full Rack	Half Rack or Full Rack
	Depth	28 - 30 cm		22 - 33 cm	35 cm	28 cm	15 - 27 cm	26 - 27 cm	28 - 33.5 cm
SCALABILITY	Max MAC capacity	32K	32K	16K	16K	16K	16K	48K	32K
	Max ARP capacity	256		256	2K	256	256	16K	8K
	Max Route capacity	2	32	64	2K	128	128	64K	16K
ROUTING	Static Route	✓		✓	✓	✓	Limited	✓	✓
	RIP	✗		✗	✓	Limited	Limited	✓	✓
	OSPF	✗		✗	Limited	✗	✗	✓	✓
	BGP	✗		✗	✗	✗	✗	✓	✗
VIRTUALIZATION	SPB	✗		✗	✗	✗	✗	✓	✗
	VxLAN	✗		✗	✗	✗	✗	✗	✗
	MPLS	✗		✗	✗	✗	✗	✗	✗
DC	OVSDB	✗		✗	✗	✗	✗	✗	✗
	RoCE	✗		✗	✗	✗	✗	✗	✗
	Nutanix Support	✗		✗	✗	✗	✗	✗	✗
MISC.	ISSU	✗		✓	✓	✓	✓	✓	✓
	DIN rail mounting	✗		✗	✗	✗	✓	✓	✗
	DNV certified models	✗		✗	✓	✗	✓	✗	✗

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Simplicity is a security feature

We believe the easier it is to operate and manage a network, the more secure it will be. Simplicity reduces the potential for errors which can leave areas vulnerable.

The ALE OmniSwitch takes simplicity to the next level with:

- Security by default
- Edge, hardened, core switches using the **same secure level code**
- **IoT automatic containment**
- **Micro-segmentation** & Zero-trust network architecture
- Deep Packet Inspection (DPI)
- **Single management system**, unified for OmniSwitches & OmniAccess Stellar WLAN solutions
- Operation at wire-rate speeds
- **Shortest Path Bridging** (SPB)
- Real-time management of remote operations using videos

Alcatel-Lucent Enterprise delivers Ethernet Switches for today and tomorrow