









Data Center Switches Edge-Core

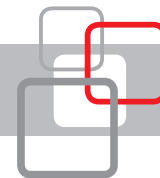
Jedná se o switche, optimalizované svým výkonem, napájením, chlazením a operačním systémem pro aplikaci v datových centrech. Patří sem také ONIE switche, které nemají operační systém - jedná se tedy o samostatný HW bez SW/FW. Standardizované rozhraní Open Network Install Environment (ONIE) umožňuje použít SW jiných výrobců.

Data Center Bare metal switches 1G




				
Typ	AS4610-30T	AS4610-30P	AS4610-54T	AS4610-54P
Main ports	30x 10/100/1000T	30x 10/100/1000T with PoE+ (960W)	48x 10/100/1000T	48x 10/100/1000T with PoE+ (1650W)
Uplink	4x 1/10G SFP+ (opt 2x 40G QSFP+ or 16x 10G)	4x 1/10G SFP+ (opt 2x 40G QSFP+ or 16x 10G)	4x 1/10G SFP+ (opt 2x 40G QSFP+ or 16x 10G)	4x 1/10G SFP+ (opt 2x 40G QSFP+ or 16x 10G)
Features	L2/L3, DCB, SDN	L2/L3, DCB, SDN	L2/L3, DCB, SDN	L2/L3, DCB, SDN
Chipset	Broadcom Helix 4	Broadcom Helix 4	Broadcom Helix 4	Broadcom Helix 4
Operation System	ONIE, PicOS, ONL	ONIE, PicOS, ONL	ONIE, Cumulus , PicOS, ONL	ONIE, Cumulus , PicOS, ONL
Power Supply	2x AC or DC 48V Modular, Redundant	2x AC or DC 48V Modular, Redundant	2x AC or DC 48V Modular, Redundant	2x AC or DC 48V Modular, Redundant

Data Center Bare metal switches 10G





				
Typ	AS5712-54X	AS5812-54T	AS5812-54X	AS5912-54X
Main ports	48x 1G/10G SFP+	48x 100/1000/10G T	48x 1G/10G SFP+	48x 1G/10G SFP+
Uplink	6x 40G QSFP+	6x 40G QSFP+	6x 40G QSFP+	6x 100G QSFP28
Features	L2/L3, DCB, SDN	L2/L3, DCB, SDN	L2/L3, DCB, SDN	L2/L3, DCB, SDN
Chipset	Broadcom Trident II 720Gbps	Broadcom Trident II 720Gbps	Broadcom Trident II+ 720Gbps	Broadcom Qumran 800Gbps
Operation System	ONIE, Cumulus , PicOS , Big Switch, ONL, Pluribus, Open-Switch, SnapRoute	ONIE, Cumulus , PicOS , Big Switch, ONL, Pluribus, Open-Switch, SnapRoute	ONIE, Cumulus , PicOS , IPInfusion , Big Switch*, ONL, SnapRoute	ONIE, Open Network Linux, IP Infusion
Power Supply	2x AC or DC 48V/12V Modular, Redundant	2x AC or DC 48V/12V Modular, Redundant	2x AC or DC 48V/12V Modular, Redundant	2x AC Modular, Redundant



Data Center Bare metal switches 25 / 40G




			
Typ	AS7312-54X *	AS6712-32X	AS6812-32X
Main ports	48x 25G SFP28	32x 40G QSFP+	32x 40G QSFP+
Uplink	6x 100G QSFP28	QSFP+	QSFP+
Features	L2/L3, DCB, SDN	L2/L3, DCB, SDN	L2/L3, DCB, SDN
Chipset	Broadcom Tomahawk 1.8Tbps	Broadcom Trident II 1.28Tbps	Broadcom Trident II+ 1.28Tbp
Operation System	ONIE, Open Network Linux, Open NSL, PicOS	ONIE, Cumulus , PicOS , Big Switch, ONL, Pluribus, Open- Switch, SnapRoute	ONIE, Cumulus , PicOS , IP Infusion , Big Switch, ONL, OpenSwitch, SnapRoute
Power Supply	2x AC Modular, Redundant	2x AC or DC 48V/12V Modular, Redundant	2x AC or DC 48V/12V Modular, Redundant

Data Center Bare metal switches 100G

				
Typ	AS7712-32X	AS7716-32X	Wedge 100-32X	Wedge 100BF-32X/65X
Main ports	32x100G QSFP28	32x100G QSFP28	32x 100G QSFP28	32x or 65x 100G QSFP28
Uplink	QSFP28	QSFP28	QSFP28	QSFP28
Features	L2/L3, DCB, SDN	L2/L3, DCB, SDN	L2/L3, DCB, SDN	L2/L3, DCB, SDN
Chipset	Broadcom Tomahawk 3.2Tbps	Broadcom Tomahawk 3.2Tbps	Broadcom Tomahawk 3.2Tbps	Barefoot Torino 3.2/6.5 Tbps
Operation System	ONIE, Cumulus , IPInfusion , PicOS , Big Switch*, Open- Switch, SnapRoute	ONIE, Open Network Linux, OF-DPA, OpenNSL, SnapRoute	ONIE, Open Network Linux, Pluribus, SnapRoute	ONIE, Open Network Linux, Pluribus, SnapRoute
Power Supply	2x AC Modular, Redundant or DC 48V	2x AC Modular, Redundant or DC 48V	2x AC Modular, Redundant or 12V DC	2x AC Modular, Redundant

* Pozn.: připravuje se

Operation Systems for Data Center Switches

		
Cumulus (vhodné pro datová centra)	IP Infusion (vhodné pro datová centra, ISP a Telco)	Pica8 (vhodné pro Enterprise)
<ul style="list-style-type: none"> ■ Pure Linux OS / Debian Linux ■ Only shell ■ No CLI, No WebUI, No GUI ■ VxLAN ■ L2 (Spanning Tree, MLAG, LLDP, VTEP, IGMP snooping,...) ■ L3 (VRR, OSPFv3, BGP4+, ECMP, VRF, BFD) ■ Only for Linux experts! 	<ul style="list-style-type: none"> ■ Pure Linux OS / Debian Linux ■ Data Center features (TRILL, PFC, ETS, ..) ■ CLI, no GUI ■ Full MPLS ■ L2 (Spanning Tree, LLDP, MLAG, VTEP, Q-in-Q,...) ■ L3 (PIM, MPLS, BGP4+, VRRP, DHCP-relay, IGMPv1/v2, IS-IS, OSPFv3, MBGP for IPv6) ■ no OpenFlow 	<ul style="list-style-type: none"> ■ Pure Linux OS / Debian Linux ■ Shell access ■ CLI, Hybrid, SDN ■ MPLS via OpenFlow ■ L2 (Spanning Tree, LLDP, MLAG, VTEP, Q-in-Q,...) ■ L3 (RIPv2, OSPFv2, ECMP, VRRP, DHCP-relay, IGMPv1/v2, BGP4+, OSPFv3, MBGP for IPv6) ■ OpenFlow 1.4