

AsterNOS Feature List - Campus Version						
Level 1	Level 2	Level 3	Level 4	Lastet R12P2 May.2025	Next R13 July.2025	Plan Feature
Management	Login	Console terminal service		✓	✓	✓
		Telnet terminal service	SSH	✓	✓	✓
		SSH	Telnet	✓	✓	✓
	License	In-band/Out band		✓	✓	✓
		License Management		✓	✓	✓
	ZTP (Zero Touch Provisioning)	Expiration limit		✓	✓	✓
		Batch management of clustered devices		✓	✓	✓
		Jump to any device in the cluster		✓	✓	✓
	Cluster Managment	Configuration synchronisation		✓	✓	✓
		Cluster Scenario Configuration		✓	✓	✓
				✓	✓	✓
	Hostname			✓	✓	✓
				✓	✓	✓
				✓	✓	✓
	Alarm	System time configuration		✓	✓	✓
		DNS Client		✓	✓	✓
		FTP/TFTP		✓	✓	✓
		BGP status		✓	✓	✓
		MC-LAG status		✓	✓	✓
		Docker status		✓	✓	✓
		High CPU utilization		✓	✓	✓
Interface Management	Ethernet Breakout	High Memory utilization		✓	✓	✓
		High hard disk usage		✓	✓	✓
				✓	✓	✓
	Interface Management	4x10G		✓	✓	✓
		4x25G		✓	✓	✓
	PoE	4x1G		✓	✓	✓
		startup		✓	✓	✓
	Startup-delay	shutdown		✓	✓	✓
		POE power supply		✓	✓	✓
	Interface statistics	POE power supply status diagnosis		✓	✓	✓
		Packets count		✓	✓	✓
L2Switching	MAC	Error packets count		✓	✓	✓
		Loss packets count		✓	✓	✓
		Rate statistics		✓	✓	✓
		Optical module information		✓	✓	✓
		Interface bandwidth utilization alarm		✓	✓	✓
				✓	✓	✓
	VLAN	Static MAC address		✓	✓	✓
		Dynamic MAC address learning		✓	✓	✓
		MAC address aging		✓	✓	✓
		blackhole MAC address		✓	✓	✓
		MAC Flapping		✓	✓	✓
		MAC address learning limiting based on ports and VLANs		✓	✓	✓
	QinQ	4K VLANs simultaneously		✓	✓	✓
		Access mode, Trunk mode		✓	✓	✓
		Batch vlan		✓	✓	✓
		VLAN group		✓	✓	✓
		IGMP/MLD Snooping		✓	✓	✓
		STP		✓	✓	✓
	Port-Channel	Loopback Detection		✓	✓	✓
		DHCP Snooping		✓	✓	✓
		IPSG/DAI/SAVI		✓	✓	✓
		Basic QinQ		✓	✓	✓
		Flexibly QinQ		✓	✓	✓
		VLAN stacking		✓	✓	✓
	Loopback Detection	Voice VLAN		✓	✓	✓
		Port-Channel Mode		✓	✓	✓
		Static aggregation		✓	✓	✓
		LACP		✓	✓	✓
		System Priority		✓	✓	✓
		Interface Priority		✓	✓	✓
	MSTP	System Id		✓	✓	✓
		Fast Rate		✓	✓	✓
		Fallback		✓	✓	✓
		Strict		✓	✓	✓
		Loose		✓	✓	✓
		Shutdown Port		✓	✓	✓
IP Routing	VRF	Only alarm		✓	✓	✓
		MSTP		✓	✓	✓
		BPDU Guard		✓	✓	✓
		BPDU Filter		✓	✓	✓
		LLDP		✓	✓	✓
		LLDP-MED		✓	✓	✓
	Policy-Based routing	Port isolation		✓	✓	✓
		Static routing		✓	✓	✓
		Blackhole routing		✓	✓	✓
		Default		✓	✓	✓
		MGMT		✓	✓	✓
		User-defined VRF		✓	✓	✓
	BGP / MP-BGP	ACL		✓	✓	✓
		PBR		✓	✓	✓
		IBGP / EBGP		✓	✓	✓
		BGP Neighbor		✓	✓	✓
		Peer Group		✓	✓	✓
		BGP Listen		✓	✓	✓
	OSPF v2/v3	Redistribute		✓	✓	✓
		Routing aggregation		✓	✓	✓
		BGP Route Reflector		✓	✓	✓
		Graceful restart		✓	✓	✓
		Routing Policy		✓	✓	✓
		UCMP		✓	✓	✓
	Routing Policy	v2		✓	✓	✓
		v3		✓	✓	✓
		Stub		✓	✓	✓
		NSSA		✓	✓	✓
		Broadcast		✓	✓	✓
		Non-Broadcast		✓	✓	✓
	ECMP/UCMP	P2P		✓	✓	✓
		P2MP		✓	✓	✓
		Route redistribution		✓	✓	✓
		Authentication		✓	✓	✓
		MD5		✓	✓	✓
		RFC1583		✓	✓	✓
Router interface	Router interface	Graceful restart		✓	✓	✓
		OSPF multi-instance		✓	✓	✓
		Match rule		✓	✓	✓
		Match prefix list		✓	✓	✓
		Set		✓	✓	✓
		IP Prefix List		✓	✓	✓
		IPv4 / IPv6		✓	✓	✓
				✓	✓	✓
		Etherent		✓	✓	✓
		VLANif		✓	✓	✓

IPServices	ARP/NDP	LAG	✓	✓	✓
		DHCP Client	✓	✓	✓
		Static ARP	✓	✓	✓
		Dynamic ARP	✓	✓	✓
		ARP aging	✓	✓	✓
		ARP/NDP detection	✓	✓	✓
		ARP Proxy	✓	✓	✓
		ARP/ND Log	✓	✓	✓
		Filter rule	✓	✓	✓
		SLAAC	✓	✓	✓
		DHCPv4 Server	✓	✓	✓
		DHCP Class	✓	✓	✓
		DHCP Failover	✓	✓	✓
IPMulticast	IGMP Snooping	Option82/No-option82	✓	✓	✓
		DHCP Pool	✓	✓	✓
		DHCPv4 Relay	✓	✓	✓
		DHCPv6 Server	✓	✓	✓
		DHCPv6 Relay	✓	✓	✓
	Multicast VLAN	MAC Trigger	✓	✓	✓
		Static IGMP snooping	✓	✓	✓
	MLD Snooping	Dynamic IGMP Snooping	✓	✓	✓
		v1	✓	✓	✓
		v2	✓	✓	✓
		v3	✓	✓	✓
		IGMP Snooping entry limited	✓	✓	✓
Tunnel	GRE	IGMP Snooping Porxy	✓	✓	✓
		PIMv4	*	*	✓
		Static MLD snooping	✓	✓	✓
		Dynamic MLD Snooping	✓	✓	✓
	VXLAN	v1	✓	✓	✓
		v2	✓	✓	✓
		MLD Snooping entry limited	✓	✓	✓
		MLD Snooping Porxy	✓	✓	✓
		Inner v4 - Outer v4	✓	✓	✓
		Inner v6 - Outer v4	✓	✓	✓
		Inner v4 - Outer v6	✓	✓	✓
		Inner v6 - Outer v6	✓	✓	✓
		Static VXLAN Tunnel	✓	✓	✓
User Access and Authentication	Login user	BGP EVPN	✓	✓	✓
		Mapping Type	✓	✓	✓
		VLAN mapping to VIN	✓	✓	✓
		VRF mapping to VNI	✓	✓	✓
		Gateway	✓	✓	✓
		Centralized gateway	✓	✓	✓
	Access User	Distributed gateway	✓	✓	✓
		Cross-connect	*	✓	✓
		IGMP snooping	*	✓	✓
		Route leak	*	✓	✓
		Local user	✓	✓	✓
		TACACS+	✓	✓	✓
		Authorized	✓	✓	✓
		Radius	✓	✓	✓
		Authentication	*	*	✓
		Authorized	*	*	✓
Security	Broadcast traffic policy	802.1x authentication	✓	✓	✓
		MAC authentication	✓	✓	✓
		authorization	✓	✓	✓
	Storm suppression	Re-authentication	✓	✓	✓
		Escape	✓	✓	✓
		802.1x authentication	✓	✓	✓
	DHCP v4/v6 Snooping	MAC authentication	✓	✓	✓
		authorization	✓	✓	✓
		Re-authentication	✓	✓	✓
	ND Snooping	Escape	✓	✓	✓
		802.1x authentication	✓	✓	✓
		MAC authentication	✓	✓	✓
	IPv6 RA Guard	authorization	✓	✓	✓
		Re-authentication	✓	✓	✓
		Escape	✓	✓	✓
	SAVI	802.1x authentication	✓	✓	✓
		MAC authentication	✓	✓	✓
		authorization	✓	✓	✓
	DAI (Dynamic ARP Inspection)	Re-authentication	✓	✓	✓
		Escape	✓	✓	✓
		802.1x authentication	✓	✓	✓
	IPSG v4/v6	MAC authentication	✓	✓	✓
		authorization	✓	✓	✓
		Re-authentication	✓	✓	✓
	CoPP	Escape	✓	✓	✓
		802.1x authentication	✓	✓	✓
		MAC authentication	✓	✓	✓
	ACL	authorization	✓	✓	✓
		Re-authentication	✓	✓	✓
		Escape	✓	✓	✓
	ACL	Unknown unicast	Drop/flood	✓	✓
		Multicast traffic	Drop/flood	✓	✓
		Broadcast traffic	Drop/flood	✓	✓
		Unknown unicast	kpps/kBps	✓	✓
		Multicast traffic	kpps/kBps	✓	✓
		Broadcast traffic	kpps/kBps	✓	✓
		DHCP v4/v6 Snooping		✓	✓
		ND Snooping		✓	✓
		IPv6 RA Guard		✓	✓
		SAVI		✓	✓
		DAI (Dynamic ARP Inspection)		✓	✓
		IPSG v4/v6		✓	✓
		CoPP		✓	✓
		ACL	Ingress	✓	✓
		Egress	✓	✓	✓
	Filter key	smac	✓	✓	✓
		vlanid	✓	✓	✓
		protocol	✓	✓	✓
		srcip	✓	✓	✓
		dstip	✓	✓	✓
		sport	✓	✓	✓
		dport	✓	✓	✓
		ethertype	✓	✓	✓
	Action	icmp type	✓	✓	✓
		permit	✓	✓	✓
		deny	✓	✓	✓
		trap-to-cpu	✓	✓	✓
		copy-to-cpu	✓	✓	✓
		Modify VLAN priority	✓	✓	✓
		redirect action	✓	✓	✓