

Lantech OS5 Management Functions

Advanced Layer 2 management functions with optional features of IEC 62443, Macsec, L3, L3 Lite, PTP, NAT, and IEC 61375-2-5 ETBN

























Lantech OS5 management features include advanced Layer 2 management features and Layer 3, Layer 3 Lite, EC61375-2-5 (ETBN)**, R-NAT**, hardware NAT, PTP**, Macsec**, IPv6 etc.

Optional Layer3 (incl. NAT, VRRP Aware PIM*)

The optional L3 supports enhanced routing functionality, including RIP v1/v2/ RIPng, OSPF v1/v2/v3, DVMRP, PIM, PIMv6, TDRP*, VRRP Aware PIM*, VLAN routing, etc.

It also supports NAT functions including Static(one-to-one), Dynamic(many-to-many) and PAT (one-to-many). VRRP Aware PIM is a redundancy mechanism for the Protocol Independent Multicast (PIM) to interoperate with VRRP. It allows PIM to track VRRP state and to preserve multicast traffic upon fail over in a redundant network with virtual routing groups enabled. (See the comparison table below)

Optional TTDP, TRDP* and R-NAT protocol for train application (EN50155 models)

The optional TTDP (Train Topology Discovery Protocol) can assign IP and Gateway IP automatically when the train network topology is changed due to the adjustment of train cars. Exclusive DHCP and VLAN over TTDP can help bind devices with certain IP assignments and segment VLAN in the ECN network. The optional R-NAT (Railway-Network Address Translation) is under TTDP simplifies the management of network address translation between ETB and ECN. It supports TTDP** (Train Topology Discovery Protocol) according to IEC 61375-2-5, and TRDP** (Train Real-time Data Protocol) according to IEC 61375-2-3 TCN (Train Communication Network).

Optional IEEE 1588 PTP V2 and 802.1AS for precise time protocol

The Precision Time Protocol (PTP) is a protocol used to synchronize clocks throughout a network. The PTP V2 and gPTP support transparent clock and two-step processing to support 1 microsecond in 6 hops for PTP accuracy and precision. It supports Profiles including 802.1AS (gPTP) / IEEE 1588v2 (default) / Power Profile IEC 61850-9-3 and IEEE C37.238-2017 and three modes (TC: Transparent clock mode; BC: Boundary clock mode and OC: Ordinary clock mode).

The Optional Certified Cybersecurity IEC 62443-4-2** Helps Maintain the Safety and Reliability of Critical Infrastructure and Ensures Operational Continuity

Lantech OS5 platform is designed with the optional certified IEC 62443-4-2 SL2 standard of cybersecurity to prevent threats from network attacks. It includes vulnerability checking, encrypted files, public key management, strong password enforcement, account management, and penetration and stress testing, totaling more than 90 security measures. The optional certified IEC 62443-4-2** defines component-level security requirements, meets a set of security requirements with FR.1 Identification and authentication control, FR.2 Use Control, FR.3 System Integrity, FR.4 Data confidentiality, FR.5 Restricted data flow, FR.6 Timely response to events, and FR.7 Resource availability, to effectively mitigate network threats at the hardware and software level.



DDoS Security to Protect Switch and Server

OS5 platform is designed with a high standard of security methods to prevent network threads, such as prevention of DDoS attacks, 802.1X security authentication, Dynamic ARP Inspection, IP Source Guard and Port Security. The MAC-based port authentication is an alternative approach to 802.1x for authenticating hosts connected to a port. By authenticating based on the host's source MAC address, the host is not required to run a user for the 802.1x protocol. The RADIUS server that performs the authentication will inform the switch if this MAC can be registered in the MAC-table.

Optional MacSec for advanced security

OS5 switches support MAC security (MACsec) based on IEEE802.3AE standard in association with 802.1X Radius server. MACsec can provide much higher performance for encryption like AES-256 resorting to less CPU utilization. MACsec provides data confidentiality, integrity, and origin authentication to protect transmitted Ethernet data frames in the network with hardware support for MACsec.

Support PXE to verify the switch with the latest or certain version

The switch can check its firmware version during booting time via PXE protocol. If the switch finds any newer version, it will upload automatically.

Support OPEN API document format for Restful API for better switch performance; Autoprovisioning for firmware/configuration update

The switch supports Restful API that uses JSON format to access and use data for GET, PUT, POST and DELETE types to avoid traditional SNMP management occupying CPU utilization. The OPEN API document format for Restful API can greatly improve central management efficiency for various applications including fleet management and AIOT.

It also supports auto-provisioning for switch to auto-check the latest software image and configuration through TFTP server.

Auto feed configuration for swapped new switches for Seamless Network Maintenance

Lantech OS5 switch supports auto-feed configuration features that revolutionize network switch setup and management. It ensures that new and replacement switches automatically receive the correct configuration without manual intervention.

DHCP option 82 & Port based, Mac based DHCP, Option 7/42/60/66, DHCP Snooping, IPv6 ready

The switch can act as DHCP server to assign dedicated IP addresses by MAC or by port (Port based for each switch), it also can assign IP addresses by port for multiple switches with a single DHCP option82 server. DHCP Snooping and Ipv6 DHCP service is are also supported.

Standardized G.8032 ring, 8 MSTI MSTP; MRP ring

Lantech OS5 Ethernet switches feature a standardized G.8032 ring that is compatible with 3rd party G.8032 ring. It supports MSTP that allows RSTP over VLAN for redundant links with 8 MSTI. MRP (Media Redundancy Protocol) is also supported for industrial automation networks.

Enhanced Storm control

Storm control prevents traffic on a LAN from being disrupted by a broadcast, multicast, or unicast storm on one of the physical interfaces, so the detection and reaction are more precise and efficient.

Protocol based VLAN; Subnet based VLAN; QinQ, QoS and GVRP

It supports the QinQ, QoS and GVRP for large VLAN segmentation. The protocol-based VLAN processes traffic based on protocol. It filters IP traffic from nearby end-stations using a particular protocol such as IP, IPX, ARP by Ethernet-types in a Hex value. Subnet based VLANs group traffics into logical VLANs based on the source IP address and IP subnet. The above features can help to build VLAN in the network mixed with managed and unmanaged switch as to define packets to which VLAN group based on protocol or subnet.

IGMPv3, GMRP, router port, MLD Snooping, static multicast forwarding

It supports IGMPv3, GMRP, router port, MLD snooping and static multicast forwarding binding by ports for video surveillance applications.



Support NTP, SNTP server with built-in RTC clock source with golden capacitor

The support of NTP/SNTP can synchronize system clock in Internet. Lantech OS5 switch supports NTP server & server/client mode. The switch also builds in a real-time clock (RTC) for measurement of the passage of time with a NTP server.

Out-Of-Band management

OOB management allows a separate and secure method to access and manage the switch even when the primary network is inaccessible. (-OOB model)

Enhanced environmental monitoring for switch inside information

The enhanced environmental monitoring can detect switch overall temperature, total power load, actual input voltage and current. It can send the SNMP traps alert when abnormal.

Snapshot switch information for trouble-shooting analysis

With the distinctive Snapshot feature to gather switch data including port statistics, system core information, configuration and event log at the point of time or by scheduling to address switch issues and analyze the root cause in a timely manner.

Optional LantechView** for Lantech devices maintenance

LantechView can automatically discover Lantech devices on the network, providing seamless configuration management. It supports both single-device operation and batch import/export of configurations across multiple IP subnets and VLAN areas, enhancing network efficiency and management.

Additionally, LantechView also features firmware management capabilities, allowing batch verification and simultaneous upgrades to the latest firmware versions, ensuring consistency across all devices.

To learn more about Lantech Lantech View software solutions, please refer to Lantech Lantech View Software Datasheet

L2 SPECIFICATIONS

Manageability	Firmware Update	
Management (IPv4/IPV6)	SNMP v1 v2c, v3/ Web/ Telnet/ SSH/SSL/ OPEN API document format for Restful API	
User-friendly UI	Auto topology drawing Topology demo Complete CLI for a professional setting	Configuration import and export
SNMP MIB(IPv4/IPv6)	 MIBII MIB SNMP MIB Bridge MIB IF MIB 	DHCP(IPv4/IPv6)
	RMON MIBAlarm MIBPrivate MIB	Mac-based DHCP Server(IPv4/IPv6)
SNMP Trap(IPv4/IPv6)	Up to 5 trap stations; trap types including:	DNS(IPv4/IPv6)
	 Device cold start Authorization failure Port link up/link down 	System Log (IPv4/IPv6) PXE client
	 DI/DO open/close Typology change (ITU ring) 	Auto-provisioning
	Power failureEnvironmental abnormal	LLDP

Firmware Update	Supports TFTP firmware update,
	TFTP backup and restore; HTTP
	firmware upgrade; USB firmware
	update
Configuration	Supports editable configuration
import and export	file for system quick installation;
	Support factory reset ping to
	restore all settings back to factory
	default
DHCP(IPv4/IPv6)	Provide DHCP Client/ DHCP
	Server/DHCP Option 82/Port
	based DHCP; DHCP Snooping,
	DHCP Option 66; DHCP Option
	7/42/60/61/66/67/PXE
Mac-based DHCP	Assign IP address by Mac in
Server(IPv4/IPv6)	DHCP network
DNS(IPv4/IPv6)	Provide DNS client feature and
	can set Primary and Secondary
	DNS server
System Log	Supports System log record and
(IPv4/IPv6)	remote system log server
PXE client	Check firmware version when
	switch is booting-up
Auto-provisioning	Auto check firmware image and
	confirguration
LLDP	Supports LLDP to allow switch to



	advise its identification and		ľ
	capability on the LAN		
CDP	Cisco Discovery Protocol for	Network Security	ľ
	topology mapping	(IPv4/IPv6)	ı
Remote Admin	Supports 10 IP addresses that		ı
(IPv4/IPv6)	have permission to access the		ı
	switch management and to		ı
	prevent unauthorized intruder		ı
OOB (-OOB model)	Through Out-Of-Band		ı
	management port		ı
Redundancy /	Protection		ı
TU G.8032	Support ITU G.8032 for		ı
	Ring protection in less		ı
	than 20ms for self-heal		ı
	recovery (single ring		ı
	topology)		
	Standard .8032 ring	Login Security	ı
	configuration with ease	(IP4/IP6)	
 Spanning Tree	Supports IEEE802.1d Spanning	Switching	
	Tree and IEEE802.1w Rapid	VLAN	
	Spanning Tree, IEEE802.1s		ı
	Multiple Spanning Tree 8 MSTI;		ı
			ı
	Supports BPDU guard/Root		ı
- · · ·	guard/Aggregation port		ı
Protection	Miss-wiring avoidance		ı
	Node failure protection		ı
	Loop protection		ı
PoE (PoE mod	lels)		ı
PoE Management	PoE Detection to check if PD	IGMP	ł
	hangs then restart the PD	TOWN	ı
Per Port PoE Status	On/ Off, voltage, current, watts,		ı
	temperature		ı
Fast/Perpetual PoE	provides immediate and	MID Consider	ı
	continuous power to devices	MLD Snooping	ł
	during PSE switch reboots	Static multicast	ı
Security		forwarding	ı
Security			ı
IEC62443	 Cybersecurity 		ı
Cybersecurity	 Vulnerability checking 		l
ready***	 Identification and 	QoS	
	authentication	Quality of Service	Ī
	Resource availability		ı
IEEE 802.1AE	Support GCM-AES-		ı
MACSec**	128bits & 256bits		ı
	MACSec encryption	Class of Service	i
	between client and	Class of Service	ı
	network device		
	IEEE 802.1X and dynamic		
	secure association key	Bandwidth Control	
	(SAK) security mode		
	Non-encryption of the		
	802.1Q Tag header		
Dravantian ef			
Prevention of	Suspicious Packets Date Company Compa		
DDoS/DoS attack	DoS/DDoS Attacks		



	Unicast packet,		NTP server support Primary and
	Broadcast/Multicast packet,		Backup in client mode
	Broadcast packet only and all		Support NTP Time Re-correct
	types of packet.		without battery
	The packet filter rate can be set		Built-in RTC clock can be clock
	an accurate value through the		source for NTP server (RTC is
	pull-down menu for the ingress		subject to model variant)
	packet filter and the egress*	PTP**	IEEE1588 PTP V2, IEEE802.1AS
	packet limit.		gPTP, IEC 61850-9-3;
Port Trunk with LACP	LACP Port Trunk: 8 Trunk groups		Transparent clock and two step
Port			processing
Port Mirror	Support 3 mirroring types: "RX,	Diagnostic	Support Ping, ARP table and
FOILIVIIIIOI	TX and Both packet"		DDM information
Enhanced Storm	prevents traffic on a LAN from	Train Protoc	ol (EN50155 models)
		FCN	Complies with IEC 61375-3-4
Control	being disrupted by a broadcast,	ECN	Complies with IEC 61375-3-4
	being disrupted by a broadcast, multicast, or unicast storm on one		Complies with IEC 61375-3-4 (ECN) standard.
Control	being disrupted by a broadcast,	IPv6	(ECN) standard.
	being disrupted by a broadcast, multicast, or unicast storm on one		· ·
System Enhanced	being disrupted by a broadcast, multicast, or unicast storm on one	IPv6	(ECN) standard.
System Control	being disrupted by a broadcast, multicast, or unicast storm on one of the physical interfaces System status for actual input voltage, current, total power load	IPv6 Managed	(ECN) standard. Neighbor Discovery v6
System Enhanced	being disrupted by a broadcast, multicast, or unicast storm on one of the physical interfaces System status for actual input voltage, current, total power load and ambient temperature to be	IPv6 Managed Multicast	(ECN) standard. Neighbor Discovery v6 MLDv1/v2 (RFC 2710)
System Enhanced Environmental	being disrupted by a broadcast, multicast, or unicast storm on one of the physical interfaces System status for actual input voltage, current, total power load and ambient temperature to be shown in GUI and sent alerting if	IPv6 Managed Multicast	(ECN) standard. Neighbor Discovery v6 MLDv1/v2 (RFC 2710) DHCPv6 Client (RFC 3315),
System Enhanced Environmental	being disrupted by a broadcast, multicast, or unicast storm on one of the physical interfaces System status for actual input voltage, current, total power load and ambient temperature to be	IPv6 Managed Multicast	(ECN) standard. Neighbor Discovery v6 MLDv1/v2 (RFC 2710) DHCPv6 Client (RFC 3315), DHCPv6 Snooping, DHCPv6
System Enhanced Environmental	being disrupted by a broadcast, multicast, or unicast storm on one of the physical interfaces System status for actual input voltage, current, total power load and ambient temperature to be shown in GUI and sent alerting if any abnormal status	IPv6 Managed Multicast	(ECN) standard. Neighbor Discovery v6 MLDv1/v2 (RFC 2710) DHCPv6 Client (RFC 3315), DHCPv6 Snooping, DHCPv6 Relay (RFC 3315), DHCPv6
System Enhanced Environmental Monitoring	being disrupted by a broadcast, multicast, or unicast storm on one of the physical interfaces System status for actual input voltage, current, total power load and ambient temperature to be shown in GUI and sent alerting if any abnormal status	IPv6 Managed Multicast DHCP	(ECN) standard. Neighbor Discovery v6 MLDv1/v2 (RFC 2710) DHCPv6 Client (RFC 3315), DHCPv6 Snooping, DHCPv6 Relay (RFC 3315), DHCPv6 Server (RFC 3315)
System Enhanced Environmental Monitoring Time Manage	being disrupted by a broadcast, multicast, or unicast storm on one of the physical interfaces System status for actual input voltage, current, total power load and ambient temperature to be shown in GUI and sent alerting if any abnormal status	IPv6 Managed Multicast DHCP	(ECN) standard. Neighbor Discovery v6 MLDv1/v2 (RFC 2710) DHCPv6 Client (RFC 3315), DHCPv6 Snooping, DHCPv6 Relay (RFC 3315), DHCPv6 Server (RFC 3315) Ping v6, IPv6-Tracert, IPv6-TFTP *Future release **Optional
System Enhanced Environmental Monitoring Time Manage	being disrupted by a broadcast, multicast, or unicast storm on one of the physical interfaces System status for actual input voltage, current, total power load and ambient temperature to be shown in GUI and sent alerting if any abnormal status ment Supports NTP/SNTP to	IPv6 Managed Multicast DHCP	(ECN) standard. Neighbor Discovery v6 MLDv1/v2 (RFC 2710) DHCPv6 Client (RFC 3315), DHCPv6 Snooping, DHCPv6 Relay (RFC 3315), DHCPv6 Server (RFC 3315) Ping v6, IPv6-Tracert, IPv6-TFTP *Future release

server/client mode L3Lite(L3L) & L3 SPECIFICATIONS

Unicast Routing							
RIP v1/v2	Support RIP Redistribute						
(L3 only)	Static routes						
	Route-map						
	Metric						
	Support Enhanced Redistributing						
	Routing Protocols						
	 Between routing protocols (RIP, 						
	OSPF, EIGRP, BGP).						
	Directly connected routes can be						
	redistributed into a routing						
	protocol.						
	Support OSPF and RIP running						
	simultaneously in the same						
	system (but need to be in						
	different interfaces)						
	Support Equal-cost multi-path routing						
	(ECMP) for RIP						
OSPF	Support OSPF Area						
	Standard Area						

	Stub Area				
	Stub no-summary Area				
	Support Equal-cost multi-path routing				
	(ECMP)				
Static Route	Up to 32				
L3 port	Physical port, Aggregation port				
Multicast	Routing				
DVMRP	Distance Vector Multicast Routing				
(L3 only)	Protocol (DVMRP) is a routing protocol				
	used to share information between				
	routers to facilitate the transportation of				
	IP multicast packets among networks.				
PIM (Protocol	PIM-SM (Sparse Mode)				
Independent	PIM-BSR (Bootstrap)				
Multicast)	PIM-DM (Dense Mode)				
	PIM-SSM (Source-Specific Multicast				
	Mode)				
VRRP Aware	redundancy mechanism for the Protocol				
PIM	Independent Multicast (PIM) to				
	independent inditioast (i ini) to				



Routing				
VRRP	For Routing Redundancy			
	Combine Max. 2 gateways as single virtual gateway			
VLAN				
Inter-VLAN	Support dynamic routing and static			
routing	routing			
Router-on-a	Route traffic between different VLAN			
stick	groups via VLAN trunking port			
NAT				
Hardware NAT	Max 384 clients			
Static NAT	Max 128 connections; 1 to 1			
PAT (port	Max 256 connections; 1 to many; many			
address	to 1; Port forwarding			
translation)				
Train (EN50155 models)				

TTDP**	TTDP (Train Topology Discovery Protocol) complies with IEC 61375-2-5				
	(ETBN) standard.				
DHCP for	Support Option 66/82				
R-NAT** (OS5-	Support Railway-Network Address				
L3 only)	Translation				
Others	Others				
IP based port	Support				
IPv6 Routing					
Unicast Routing	Inter-VLAN routing , RIPng, OSPFv3				
Multicast	PIMv6 (PIM-SM, PIM-SSM, PIM-BSR)				
Routing					
Redundant	VRRPv3				

*Future release **Optional



PLATFORMS COMPARISON

**Optional	Layer 3	OS5 Layer 3 Lite	Layer 2+	Layer 3	OS4 / OS3 Layer 3 Lite		OS2 Layer 2+	OS1
MACsec	•**	●**	•**	Layer 3	Layer 5 Lite		Layer 2+	
OOB (Out of Band) Service	T(P)GS-	T(P)GS-	T(P)GS-					
IEC 62443-4-2	H/624X1 series	H7624XT series	H/624X I series	•**	•**	•**		
NTS (Network Time Security)	•**	•**	•**	•**	•**	•**		
Unicast Routing: RIP v1/v2/RIPng	•			•				
Multicast Routing: DVMRP (IPv4) Hardware NAT: Static NAT/ PAT	•			OS4 only				
IPv6 Routing	•**			OS4 only**				
R-NAT** (built-in IEC 61375-2-5)	•**			OS4 only**				
Multicast Routing: PIM (DM) (IPv4) Multicast Routing: PIM (SSM) (IPv4/v6)	•	•		•	•			
Multicast Routing: PIM (SM) (IPv4/v6)	•	•		•	•			
Multicast Routing: PIM (BSR) (IPv4/v6)	•	•		•	•			
Unicast Routing: OSPF v1/v2/v3 VRRP v2/v3	•	•		•	•			
VRRP aware PIM	•*	•*		•	•			
VLAN routing	•	•		•	•			
Static Route Rescue Mode	•	•		•	•	•		
TTDP (IEC 61375-2-5)**	•**	•**		•**	•**	•		
IP based port	•	•		•	•			
DHCP for TTDP** PTP**	•** •**	•** •**	•**	•**	•**			
DHCP pool with per VLAN	•	•	•	•	•	•		
Prevention of DDoS/DoS attack	•	•	•	•	•	•		
Dynamic ARP Inspection	•	•	•	•	•	•		
IPSource Guard Port Security	•	•	•	•	•	•		
Remote admin-IP security (25)	•	•	•	•	•	•		
MRP	•	•	•	•	•	•		•
Protocol Based VLAN Subnet Based VLAN	•	•	•	•	•	•		
MLD Snooping	•	•	•	•	•	•		
Port Monitoring	•	•	•	•	•	•		
PXE application IPv6 DHCP Server	•	•	•	•	•	•		
Dual Image	_	•		•	•	•		
ARP inspection	•	•	•	•	•	•		•
BPDU Guard QinQ	•	•	•	•	•	•		•
Remote admin					-		_	
(limitation of accessing way)	•	•	•	•	•	•	•	•
GVRP SSL	•	•	•	•	•	•	•	•
Login Security (TACACS+)	•	•	•	•	•	•	•	•**
Login Security (RADIUS)	•	•	•	•	•	•	•	port authentication
Dual Homing	•	•	•	•	•	•	•	only •
SSH	•	•	•	•	•	•	•	•
CDP	•	•	•	•	•	•	•	•
Topology View Environment Monitoring	•	•	•	•	•	•	•**	•**
MSTP	•	•	•	•	•	•	•	•
Loop Protection	•	•	•	•	•	•	•	•
IGMP router port GMRP	•	•	•	•	•	•	•	•
VLAN based QoS	•	•	•	•	•	•	•	•
MAC based DHCP	•	•	•	•	•	•	•	•
Option82 DHCP Relay Option 7/66	•	•	•	•	•	•	option 66 only	option 66 only
DHCP Snooping	•	•	•	•	•	•	• •	•
Digital Input/ Output	•	•	•	•	•	•	•	•
Triggered by event of environment Triggered by event of SFP DDM	•	•	•	•	•	•	•**	•**
Ping	•	•	•	•	•	•	•	•
ARP	•	•	•	•	•	•	•	•
QoS under 61375-3-4	• ITU-Ring	ITU-Ring	• ITU-Ring	• ITU-Ring	• ITU-Ring	• ITU-Ring	ITU-Ring	ITU-Ring Enhance
Proprietary redundant protocol	Standard mode	Standard mode	Standard mode	Enhance mode	Enhance mode	Enhance mode	Enhance mode	mode
ACL	Ingress/Egress	Ingress/Egress	Ingress/Egress	Ingress/Egress	Ingress/Egress	Ingress/Egress	Ingress Only	Ingress/Egress
SNMP Trap Firmware upgrading	● WFR/TFTP/FTP	● WER/TETP/ETP	● WFR/TFTP/FTD	● WER/TETP/ETD	● WEB/TETD/ETD	• WEB/TFTP/FTP	● WFR/TFTP/FTD	● WEB/TFTP/FTP
Configuration file import/export						WEB/TFTP/FTP	WEB/TFTP/FTP	WEB/TFTP/FTP
							D- :	Auto Basic
G.8032 Ring	Standard	Standard	Standard	Basic Enhanced	Basic Enhanced	Basic Enhanced	Basic Enhanced	Enhanced Multiple VLAN
								Multiple Train
Auto-Provisioning	•*	•*	•*	•*	•*			•
Snapshot Auto-Feed	•	•	•	•	•	•*		
Perpetual / Fast PoE	•*	•*	•*					
OPEN API document format for Restful API	•	•	•	•	•	•		



ORDERING INFORMATION

OS5 – L3L...... P/N: 9000-119

OS5 software platform upgrade to Layer 3 Lite platform OS5 – L3L – IEC61375-2-5.......P/N: 9000-120

OS5 software platform with IEC-61375-2-5 ETBN (Ethernet Train Backbone Networks) function (under L3L)

OS5 – L3...... P/N: 9000-122

OS5 software platform with Layer 3 functions

OS5 - L3 - IEC61375-2-5.....P/N: 9000-123

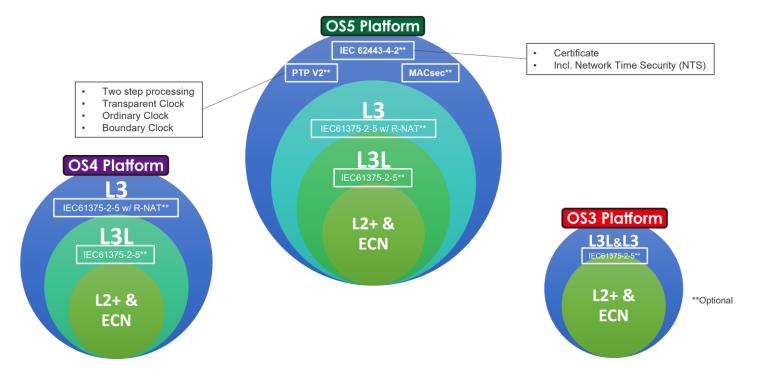
OS5 software platform with IEC-61375-2-5 ETBN (Ethernet Train Backbone Networks) function w/ R-NAT (under L3)

OS5 - MacsecP/N: 9000-125

OS5 software platform Macsec features

OS5 – PTPP/N: 9000-126

OS5 software platform IEEE 1588 PTP V2 features



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