Training Course

	Layer 2 Networking (IES-L2)
Objective	This training helps you to understand / refresh knowledge about switch technology and trains you to configure Moxa L2 switches.
Prerequisites	Knowledge in networking is required. "Industrial Ethernet foundation" (IES-F1) course is recommended.

Content	Technical overview
	   - Communication in a layer 2 network
	   - ARP
	   - Bridging table
	
	Virtual LAN
	
	Communication redundancy protocols
	   - RSTP
	   - MSTP
	   - Turbo Ring v1/v2
	   - Turbo Chain
	
	Link aggregation
	
	IP multicast
	   - IGMP Snooping
	
	Quality of service
	
	Traffic rate limiting
	
	Special features
	   - Loop protection/ Line swap recovery
	   - Time synchronization (NTP and PTP)
	   - DHCP option 82/66/67
	   - Modbus TCP
	   - LLDP
	   - Power over Ethernet
	   - SFP monitoring

Duration	1.5 Days
Certification	Layer 2 Networking(IES-L2) examination is required