

## **Product Highlights**

#### **Rugged, Hardened Design**

Design to operate in wide temperature ranges, vibration, shock, allowing the switches to be deployed in enclosures or cabinets in outdoor locations

#### **High Availability**

Comprehensive network redundancy features with fast fault recovery, together with advanced security features provides industrial-grade reliability and protection

#### **Flexible Options**

Wide selection of port density, media and PoE provides customer with the flexibility to choose the right switch that best fits their requirement



## DIS-300G Series Industrial Gigabit Managed Switches

## **Features**

**IP-30 Ingress Protection** 

#### **Operating Temperature**

• -40°to 75°C

#### Power source

- Redundant Dual Power Inputs
- Reverse Polarity Protection
- Overload Current Protection

#### **Din-Rail and Wall mounting options**

#### Ring Protection with < 20ms

#### **Environmental Test**

- Shock IEC 60068-2-27
- Freefall IEC 60068-2-32
- Vibration IEC 60068-2-6

#### **Safety Certifications**

- UL 60950-1
- CE/FCC

#### Fan-less design

The DIS-300G Series Industrial Gigabit Managed Switches are designed specifically to withstand wide temperature range, vibrations and shock. These rugged, yet easy to deploy, switches have superior environmental specification compared to those of commercial network switches. With it's hardened design combined with high availability network features, these switches form vital parts of any network infrastructure facilitating the increasing demand for smart cities, city-wide surveillance and wireless connectivity.

With its comprehensive feature set, DIS-300G managed switches are easy to configure, partition and organise user's network and provide reliable and quality of service. The DIS-300G-8PSW and DIS-300G-14SPW switches include PoE switches that are compliant with both IEEE 802.3af and IEEE 802.3at PoE standards and delivering up to 30 watts power per port along with data on standard Ethernet cabling. The switches can be used to power any IEEE 802.3af/at compliant PoE PD devices, which eliminates the need for additional wiring. They also provide additional PoE power management features which can greatly reduce the deployment effort of planning PoE power budget.

## Customers

The DIS-300G Series family of switches is ideal for customers looking for cost-effective and customisable networking solutions with redundancy and security, designed for industrial environments.

## Application

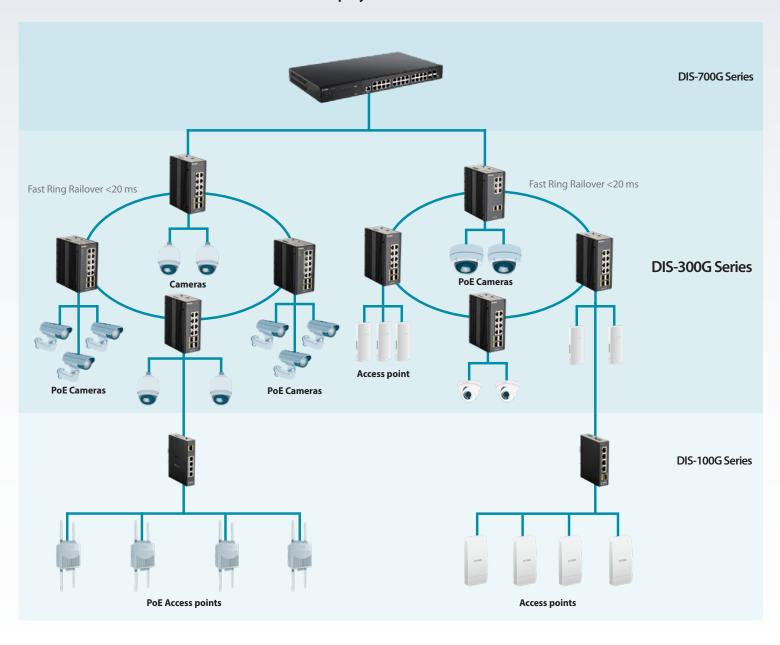
- · Challenging environmental conditions
- · High-end network redundancy topologies
- High ambient temperatures

## Market

- Heavy industrial / factory automation
- Intelligent transport system (ITS) / railway applications
- City surveillance / smart cities



**Deployment Scenario** 





# **DIS-300G Series** Industrial Gigabit Managed Switches

Technical Specifications	DIS-300G-12SW	DIS-300G-8PSW	DIS-300G-14PSW	
Ethernet				
Ethernet Interfaces	8 x 100/1000BaseT ports 4 x 100/1000BaseSFP slots	4 x 100/1000BaseT PoE ports 2 x 100/1000BaseT ports 2 x 100/1000BaseSFP slots	8 x 100/1000BaseT PoE ports 2 x 100/1000BaseT ports 4 x 100/1000BaseSFP slots	
Operating Mode	Store and forward, L2 wire-speed/non-blocking switching engine			
MAC Addresses	8K			
Jumbo Frames	9K Bytes			
Copper RJ45 Ports				
Speed	10/100/1000 Mbps			
MDI/MDIX Auto-Crossover	Support straight or cross wired cables			
Auto-Negotiating	10/100/1000 Mbps speed auto-negotiation; Full and half duplex			
PoE				
PoE Standartd	802.3af, 802.3at, 60W (DIS-300G-14PSW port 1 and 2 only)			
PoE Power Budget		120 W	240 W	
SFP/SFP+ (pluggable) Ports				
Port Types Supported	SFP (pluggable) Ports 100/1000BaseSFP slot Support 100FX SFP transceiver Support 100/1000BaseT SFP transceiver			
Fibre Port Connector	LC typically for fibre (depends on module)			
Optimal Fibre Cable	Typical 50 or 62.5/125 μm for multimode (mm); Typical 8 or 9/125 μm for single mode (sm)			
Network Redundancy				
Fast Failover Protection Rings	Link loss recovery < 20ms Support Single & Multiple rings; Ring coupling; Dual-homing; Chain			
Spanning Tree Protocol	IEEE 802.1D STP, IEEE 802.1w RSTP, IEEE 802.1s MSTP			
IEEE 802.3ad Port Trunk with LACP	Static trun	or Dynamic via LACP (Link Aggregation Cont	rol Protocol)	
Bridge, Virtual Local Area Networks (	VLANs) & Protocols			
Flow Control	IEEE 802.3x (Full Duplex) and Back-Pressure(Half Duplex)			
Max VLANs	256	256 1024		
VLAN Types	Port-based VLANs; MAC-based VLANs; IP Subnet-based VLANs Protocol-based VLANs. IEEE 802.1Q tag-based VLANs RADIUS-assigned VLAN IEEE 802.1ad Double Tagging (Q in Q)			
Multicast Protocols	IGMP v1, v2 with up to 255 multicast groups IGMP snooping and querying Immediate leave and leave proxy Throttling and filtering			
LLDP		EEE 802.1ab Link layer Discovery Protocol (LLD	P)	
Traffic management & QoS				
Priority	IEEE 802.1p QoS			
Number of Queues per Port	8			
Scheduling Schemes	SPQ, WRR			
Traffic Shaper	port-based shaping			
RADIUS QoS		RADIUS-assigned QoS Class		
Security				
Port Security	IP and MAC-based access control IEEE 802.1X authentication Network Access Control Authentication via local database, RADIUS or TACACS+ AAA (Authentication, Accounting and Authorization)			
Storm Control	Multicast/Broadcast/Flooding Storm Control			



# **DIS-300G Series** Industrial Gigabit Managed Switches

Macagement Interfaces         Industriability CLI (comma dine interfaces) SMMP 11, 32, 53 MP 11, 32, 55 MP 11	Technical Specifications	DIS-300G-12SW	DIS-300G-8PSW	DIS-300G-14PSW
User Management Interfaces         WBF based Management SMMP 1, 2c, 33 Tehns IS socials           Management Security         Based Telescone           Upgrade & Restore         Sign 2           Dagnostic         Sign 2           Dagnostic         Sign 2           Dagnostic         Sign 2           MRS         REC 1757 RMON 1, 23, 08 RF 2/37.42 And Manoring Etherret Copper connection diagnostic tool Sign 2           MBS         REC 1757 RMON 1, 23, 08 RF 2/37.42 And MBR FC 1213 BMB, RFC 1423 Brdge MB, RFC 2233 F MB           DPCP         Cienct. Sever, Rely, Snooping, Option 3           System Statu         Device info/status; REHer-ret port status           Port Phot         Sote 2           System Statu         Device info/status; REHer ret port status; PGE tatus           Port Phot         Sote 2           Revere Protection         Sote 2           Revere Rover Protection         Yes           Revere Rover Protection         Yes           Revere Rover Supplies         DIS HB0.24,	Management			
Management seturny         Get Client for Management           Upgrade & Restore         FTP for Curringuation inport/Export, FTP for Firmware Upgrade           Dagnostic         Systog           Per VLAN minoring         Per VLAN minoring           Mills         REC1757 RMON 12.3.9.187 ∠23-42 bridge Mills RFC-1213 Mills RFC-123 Mills RFC 2233 IF Mills           DHCP         Client, Server, Relay, Snooping, Option 82           NTP/SMTP         Ver           System Situ 0         Device info/status; Ethernet port status           Power format         Scheduling; power control: PoE PD power consumption           Power format         Scheduling; power control: PoE PD power consumption           Power forsumption         Mas. 17W         Kessee Space Spa	User Management Interfaces	WEB-based Management SNMP v1, v2c, v3		
Disgnostic         Syklog Pet VLA Narioning Ethermet Copper connection diagnostic tool SPP with DMC Monitoring)           MBS         RFC 1757 RMON 1.2.3;9, RFC 2674 Q-8ndge MIB RFC-1213 MIB-IL RFC-1493 Bridge MIB RFC 2233 IF MIB           DHCP         Control Spectra Sp	Management Security			
Diagnostic         Per-VLN minoring SFP with DOM (Digital Diagnostic tool SFP with DOM (Digital Diagnostic Monitorial).           Mills         RFC 1757 RMON 1,2,3; RF C3P4 24 Profession Mills+; RFC-1432 Bridge Mills; PFC-1432 Bri	Upgrade & Restore			
DHCP       Client, Server, Relay, Snooping, Option 82         NTF/SNP       Yes         System Status       Device info/status; Ethernet port status       Device info/status; Ethernet port status; PDE status         Power Input       Scheduling; power control; POE PD power consumption         Power Input       Redundant Input Terminals         Input Voltage Range       12-58 VDC       48-58 VDC (54-58V VDC for IEEE802.3at POE/PSE application)         Reverse Power Protection       Yes         Transient Protection       Yes         Transient Protection       Yes         Opewer Consumption       Max. 17W       Max. 56W with 2400 VPE power delivered         Compatible Power Supplies       DIS-H20-34, DIS-H40-34, DIS-H20-34, DIS-H20-34, DIS-H20-34, DIS-H20-3	Diagnostic	Per VLAN mirroring Ethernet Copper connection diagnostic tool		
NTP/SNTPYesSystem StatusDevice info/status; Ethernet port statusDevice info/status; Ethernet port status; PoE statusPoE ManagementCerdealing; power control; PoE PD power consumptionPowerRedundant Input TerminalsInput Voltage Range12-58 VDC48-58 VDC (54–58 VDC for IEEE802.3at PoE/PSE application)Reverse Power ProtectionVesPower ConsumptionMax. 17WMax. 14W without PD connected Max 265W with 2400 MPSE power deliveredPower ConsumptionMax. 17WMax. 14W without PD connected Max 265W with 2400 MPSE power deliveredCompatible Power SuppliesDIS-H30-24, DIS-H40-24, DIS-H240-48, DIS-H480-48DIS-H30-24, DIS-H40-24, DIS-H30-24, DIS-H40-48, DIS-H480-48IndicatorsIndication of power input statusEntertPower StatusDIS-H30-24, DIS-H40-24, DIS-H30-24, DIS-H480-48DIS-H30-24, DIS-H40-24, DIS-H30-24, DIS-H480-48IndicatorsIndication of power input statusPower StatusDIS-H30-24, DIS-H40-24, DIS-H30-48, DIS-H480-48DIS-H30-24, DIS-H30-24, DIS-H40-48, DIS-H480-48IndicatorsIndication of Poe Power applying System AlarmIndication of Poe Power applying Indication of Poe Power applying System AlarmPose StatusCompatible PowerIndication of Poe Power applying Indication of Poe Power applying System AlarmAlarm NotificationCompatible PowerIndication of Poe Power applying Indication of Poe Power applying System AlarmDystem Range	MIBs	RFC 1757 RMON 1,2,3,9; RFC 2674 Q-Bridge MIB RFC-1213 MIB-II; RFC-1493 Bridge MIB; RFC 2233 IF MIB		
System StatusDevice info/status; Ethernet port statusDevice info/status; Ethernet port status; PoE statusPoE ManagementScheduling: power control; PoE PD power consumptionPowerRedundant Input TerminalsInput Voltage Range12.58 VDCAperse Power ProtectionYesReserve Power ProtectionYesPower ConsumptionMax, 17WPower ConsumptionMax, 17WPower ConsumptionMax, 17WPower ConsumptionMax, 17WPower ConsumptionDIS H30-24, DIS H40-24, DIS H30-24, DIS	DHCP	Client, Server, Relay, Snooping, Option 82		
PoE Management         Scheduling: power control: POE PD power consumption           Power         Redundant Input Terminals           Input Voltage Range         12-58 VDC         48-58 VDC (54-58V VDC for IEE802.3at P6E/PSE application)           Reverse Power Protection         Yes         Yes           Transient Protection         > 15,000 watts peak         Power Consumption           Power Consumption         Max. 17W         Max. 24 WW Without PD connected Max. 26 SW WIth 24W PS Epower delivered           Compatible Power Supplies         DIS-H30-24, DIS-H60-24, DIS-H240-48, DIS-N480-48         DIS-N240-48, DIS-N480-48           Indicators         Indication of power input status         Ethernet Port         Link & Speed           Power Status         Indication of Poe Power applying         Indication of PoE Power applying         Indication of PoE Power applying           Alarm Relay Output         Relay output with current carrying capacity of 0.5A @ 24 VDC         Alarm Notification           Compatibut (Non-Condensing)         Yes to the status         Yes to the status         Yes to the status           Environmental and Compliance         -40 to +75°C         Store Fail         Yes to the status           Environmental and Compliance         Yes to the status         Yes to the status         Yes to the status           Storage Tempenature Range         -40 to +85 °C	NTP/SNTP	Yes		
Power input         Redundant Input Terminals           Input Voltage Range         12.58 VDC         48-58 VDC (54-58 VVDC for IEEE802.3at POE/PSE application)           Reverse Power Protection         Yes         Yes           Transient Protection         >> 15,000 wits peak         Max. 14W without PD connected Max 26SW with 24GW PSE power delivered           Power Consumption         Max. 17W         Max. 14W without PD connected Max 26SW with 24GW PSE power delivered           Compatible Power Supplies         DIS-H30-24, DIS-H40-24, DIS-H40-24, DIS-H480-48         DIS-H240-48, DIS-H480-48           Indicators         Indication of power input status         Indication of PoePower applying         Indication of POE Power applying           Power Status         Indication of PDE Power applying         Indication of POE Power applying         Indication of POE Power applying           System Alarm         Profile-defined System Alarm         Power Status         Indication of POE Power applying           Alarm Notification         Configurable alarm profile to enable Alarm LED, Alarm Teas         Status         Indication of POE Power applying           Operating Temperature Range         -40 to +75°C         Storage Temperature Range         -40 to +75°C           Storage Temperature Range         -40 to +85°C         -40 to +85°C         -40 to +85°C           Humidity (Non-Condensing)         Vibration: IEC600	System Status	Device info/status; Ethernet port status	Device info/status; Ether	net port status; PoE status
Power InputIndexRedundant Input TerminalsInput Voltage Range12-58 VDC48-58 VDC (54-58V VDC for IEEE802.3at PoE/PSE application)Reverse Power ProtectionVesVesTransient ProtectionNax. 17WMax. 14W without PD connected Max. 25W with 240W PSE power deliveredPower ConsumptionMax. 17WMax. 14W without PD connected Max. 25W with 240W PSE power deliveredCompatible Power SuppliesDIS-H30-24, DIS-H60-24, DIS-N240-48, DIS-N240-48, DIS	PoE Management		Scheduling; power control;	PoE PD power consumption
Input Voltage Range12-58 VDC48-58 VDC (54-58V VDC for IEEE802.3at PoE/PSE application)Reverse Power ProtectionYesTransient ProtectionNax. 17WPower ConsumptionMax. 17WMax. 265 W with 240W PSE power deliveredCompatible Power SuppliesDIS-H30-24, DIS-H60-24, DIS-H40-48, DIS-N240-48, DIS-N2	Power			
Reverse Power Protection       Yes         Transient Protection       > 15,000 watts peak         Power Consumption       Max. 17W       Max. 14W without PD connected Max 26SW with 240W PSE power delivered         Compatible Power Supplies       DIS-H30-24, DIS-H40-24, DIS-H240-48, DIS-H480-48       DIS-N240-48, DIS-N480-48         Indicators       Indication of power input status       Indication of Power supplies         Power Status       Indication of Poe Power applying       Indication of Poe Power applying         System Alarm       Indication of Poe Power applying       Indication of Poe Power applying         Alarm Natification       Configurable alarm profile defined System Alarm       Alarm Net         Alarm Natification       Configurable alarm profile to enable Alarm LED, Alarm relay & SNMP traps       Environmental and Compliances         Operating Temperature Range       -40 to +75°C       Storage Temperature Range       -40 to +85 °C         Humidity (Non-Configurable alarm profile Coordes-2-27; Free Fall: EC60068-2-32       Certification Compliance       Uibration: IEC60068-2-27; Free Fall: EC60068-2-32         Certification Compliance       Uibration: EC60068-2-27; Free Fall: EC60068-2-32       Certification Compliance       Storage Temperature Range         MSB       -25 years       Motestion Configurable and WEEE compliant       -5 of smote       -5 of smote         MTBF	Power Input	Redundant Input Terminals		
Tansient Protection>>15.000 watts peakPower ConsumptionMax. 17WMax. 14W without PD connected Max 25SW with 240W PSE power deliveredCompatible Power SuppliesDIS-H30-24, DIS-H60-24, DIS-N240-48, DIS-N480-48DIS-N240-48, DIS-N480-48IndicatorsIndication of power input statusPower StatusIndication of power input statusEthernet PortLink & SpeedPof EstatusIndication of PoE Power applyingIndication of PoE Power applyingSystem AlarnProfile-defined System AlarnAlarn Relay OutputRelay -utput with current carrying capacity of 0.5A $\ge$ 24 VDCAlarn NotificationConfigurable alarn profile to enable Alarn LED, Alarn relay & SNMP trapsPoperature Range-40 to +75°CStorage Temperature Range-40 to +85°CHumidity (Non-Condensing)Vibration: IEC60068-2-27; Free Fall: IEC60068-2-37; Free Fall:	Input Voltage Range	12-58 VDC	48-58 VDC (54~58V VDC for IEEE802.3at PoE/PSE application)	
Power Consumption         Max. 17W         Max. 14W without PD connected Max. 265W with 240W PSE power delivered           Compatible Power Supplies         DIS+H30-24, DIS-H60-24, DIS-N240-48, DIS-N480-48         DIS-N240-48, DIS-N480-48           Indicators         Indication of power input status         Indications           Power Status         Indication of power input status         Indication of PoE Power applying           Poter Status         Indication of PoE Power applying         Indication of PoE Power applying           System Alarm         Profile-defined System Alarm         Indication of PoE Power applying           Alarm Netlogation         Configurable alarm profile to enable Alarm LED, Alarm retay         SNMP traps           Alarm Notification         Configurable alarm profile to enable Alarm LED, Alarm retay         SNMP traps           Operating Temperature Range         -40 to +75°C         Storage Temperature Range         -40 to +85 °C           Humidity (Non-Condensing)         S to 95% RH         Vibration: IECG0068-2-37; Free Fall: IECG0068-2-32         Certification Compliance           Work Struee	Reverse Power Protection	Yes		
Power ConsumptionMax 1/WMax 26SW with 240W PSE power deliveredCompatible Power SuppliesDIS-H30-24, DIS-H30-24, DIS-H40-24, DIS-N240-48, DIS-N240, DIS-N240-48, DIS-N	Transient Protection	> 15,000 watts peak		
Compatible Power suppliesDIS-N240-48, DIS-N480-48DIS-N240-48, DIS-N480-48IndicatorsPower StatusIndication of power input statusEthemet PortIndication of PoeP ower applyingPoE StatusIndication of PoE Power applyingSystem AlarmIndication of PoE Power applyingSystem AlarmProfile-defined System AlarmAlarm Relay OutputRelay -utput with current carrying capacity of 0.5. → 24 VDCAlarm RotificationConfigurable Jurput with current carrying capacity of 0.5. → 24 VDCAlarm RotificationConfigurable Jurput with current carrying capacity of 0.5. NMP trapsPoperating Temperature Range-40 to 4.75°CStorage Temperature Range-40 to 4.55°CHumidity (Non-Condensing)Sto 95% RHVibration, Shock & FreefallVibration: Utbration: Ecoto68-2-27; Free FallVibration, Shock & FreefallVibration: Ecoto68-2-27; Free FallVibration, Shock & FreefallConfigurable Alarm LEQ Alarm Alarm LECMTBFCAds WEEEMTBF (Sto Free) and WEEE compliantMTBFIndecetor Alard Alard Alarm Alard Alarm Alard Alarm Alard Alarm Alard Alarm Alard Alarm Alard Alard Alarm Alard Alarm Alarm Alard Alarm Alarm Alard Alarm Alarm Alard Alarm Ala	Power Consumption	Max. 17W		
Power StatusIndication of power input statusEthernet PortIndication of PoE Power applyingIndication of PoE Power applyingPoE StatusIndication of PoE Power applyingIndication of PoE Power applyingSystem AlarmIndication of PoE Power applyingIndication of PoE Power applyingSystem AlarmIndication of PoE Power applyingIndication of PoE Power applyingAlarmIndication of PoE Power applyingIndication of PoE Power applyingAlarm Relay OutputIndication of O.S. (2 4 VDCAlarm NotificationConfigurabia with current carrying capacity of 0.S. (2 4 VDCAlarm NotificationConfigurabia with current carrying capacity of 0.S. (2 4 VDCAlarm NotificationConfigurabia with current carrying capacity of 0.S. (2 4 VDCAlarm NotificationConfigurabia with current carrying capacity of 0.S. (2 4 VDCAlarm NotificationConfigurabia with current carrying capacity of 0.S. (2 4 VDCAlarm NotificationConfigurabia with current carrying capacity of 0.S. (2 4 VDCAlarm NotificationConfigurabia with current carrying capacity of 0.S. (2 4 VDCAlarm NotificationConfigurabia with current carrying capacity of 0.S. (2 4 VDCAlarm NotificationConfigurabia with current carrying capacity of 0.S. (2 4 VDCAlarm NotificationSto 95% RHVibration, Shock & FreefallVibration: Itic Scoo68-2-2; Shock: IEC60068-2-2; Free Fall: IEC60068-2-3; -4, -5, -5EMCFCC Part 15: EN 61000-6-2; EN 61000-6-4; EN 61000-4-2; -3; -4, -5, -5RoHS & WEEERoHS (Pb free) and WEEE compliantMTBFSto 95% RH <td>Compatible Power Supplies</td> <td></td> <td colspan="2"></td>	Compatible Power Supplies			
Ethernet PortLink & SpeedPoE StatusIndication of PoE Power applyingIndication of PoE Power applyingSystem AlarmProfile-defined System AlarmAlarmRelay OutputRelay output with current carrying capacity of $0.5A \otimes 24$ VDCAlarm NotificationConfigurable alarm profile to enable Alarm LED, Alarm relay SNMP trapsEnvironmental and Compliances-40 to +75°COperating Temperature Range-40 to +75°COperating Temperature Range-40 to +85 °CHumidity (Non-Condensing)5 to 95% RHVibration, Shock & FreefallVibration: IEC60068-2-6; Shock: IEC60068-2-3; Free Fall: IEC60068-2-32Certification ComplianceUL 60950-1, CE, FCCEMCFCC Part 15, EN 61000-6-2, EN 61000-4-2, -3, -4, -5, -6RoHS & WEEERoHS (Pb free) and WEEE compliantMTBF> 25 yearsMechanicalIP30Dimensions61 x 154 x 109 mmWeight1.086 kgNotek kg1.308 kgNeight1.41 kg	Indicators			
PoE StatusIndication of PoE Power applyingIndication of PoE Power applyingSystem AlarmProfile-defined System AlarmAlarmNote that the current carrying capacity of 0.5A @ 24 VDCAlarm Relay OutputRelay output with current carrying capacity of 0.5A @ 24 VDCAlarm NotificationConfigurable alarm profile to enable Alarm LED, Alarm relay & SNMP trapsEnvironmental and Compliances-40 to +75°CCoperating Temperature Range-40 to +85°CHumidity (Non-Condensing)S to 95% RHVibration, Shock & FreefallVibration: IEC60068-2-6; Shock: IEC60068-2-3; Free Fall: IEC60068-2-32Certification ComplianceUL 60950-1, CE, FCCEMCFCC Part 15, EN 61000-6-2, EN 61000-6-4, EN 61000-4-2, -3, -4, -5, -6RoHS & WEEERoHS (Pb free) and WEEE compliantMTBF>25 yearsMechanicalIP30Dimensions61 x 154 x 109 mmWeight1.086 kgNeight1.086 kgNeight1.41 kg	Power Status	Indication of power input status		
System AlarmProfile-defined System AlarmAlarmAlarm Relay OutputRelay output with current carrying capacity of 0.5A @ 24 VDCAlarm NotificationConfigurable alarm profile to enable Alarm LED, Alarm relay & SNMP trapsEnvironmental and CompliancesOperating Temperature Range-40 to +75°CStorage Temperature Range-40 to +85 °CHumidity (Non-Condensing)S to 95% RHVibration, Shock & FreefallVibration: IEC60068-2-6; Shock: IEC60068-2-27; Free Fall: IEC60068-2-32Certification ComplianceUL 60950-1, CE, FCCEMCFCC Part 15, EN 61000-6-2, EN 61000-4-2, -3, -4, -5, -6RoHS & WEEERoHS (Pb free) and WEEE compliantMTBF>25 yearsMechanicalIP30Dimensions61 x 154 x 109 mmWeight1.086 kg1.308 kg1.41 kg	Ethernet Port	Link & Speed		
AlarmAlarm Relay OutputRelay output with current carrying capacity of 0.5A @ 24 VDCAlarm Relay OutputConfigurable alarm profile to enable Alarm LED, Alarm relay & SNMP trapsEnvironmental and Compliances-40 to +75°COperating Temperature Range-40 to +75°CStorage Temperature Range-40 to +85 °CHumidity (Non-Condensing)5 to 95% RHVibration, Shock & FreefallVibration: IEC60068-2-6; Shock: IEC60068-2-27; Free Fall: IEC60068-2-32Certification ComplianceUL 60950-1, CE, FCCEMCFCC Part 15, EN 61000-6-2, EN 61000-6-2, and WEEE compliantMTBF>25 yearsMechanicalIpage S ProtectionIngress Protection61 x 154 x 109 mmWeight1.086 kg1.308 kg1.41 kg	PoE Status	Indication of PoE Power applying Indication of PoE Power applying		
Alarm Relay OutputRelay output with current carrying capacity of 0.5A @ 24 VDCAlarm NotificationConfigurable alarm profile to enable Alarm LED, Alarm relay & SNMP trapsEnvironmental and Compliances-40 to +75°COperating Temperature Range-40 to +75°CStorage Temperature Range-40 to +85 °CHumidity (Non-Condensing)Sto 95% RHVibration, Shock & FreefallVibration: IEC60068-2-6; Shock: IEC60068-2-27; Free Fall: IEC60068-2-32Certification ComplianceUL 60950-1, CE, FCCEMCFCC Part 15, EN 61000-6-2, EN 61000-6-4, EN 61000-4-2, -3, -4, -5, -6RoHS & WEEERoHS (Pb free) and WEEE compliantMTBF25 yearsMechanicalIP30Dimensions61 x 154 x 109 mmWeight1.086 kg1.086 kg1.308 kg1.41 kg	System Alarm	Profile-defined System Alarm		
Alarm NotificationConfigurable alarm profile to enable Alarm LED, Alarm relay & SNMP trapsEnvironmental and CompliancesOperating Temperature Range-40 to +75°CStorage Temperature Range-40 to +85 °CHumidity (Non-Condensing)5 to 95% RHVibration, Shock & FreefallVibration: IEC60068-2-6; Shock: IEC60068-2-32Certification ComplianceUL 60950-1, CE, FCCEMCFCC Part 15, EN 61000-6-2, EN 61000-6-4, EN 61000-4-2, -3, -4, -5, -6RoHS & WEEERoHS (Pb free) and WEEE compliantMTBF>25 yearsMechanicalIP30Dimensions61 x 154 x 109 mmWeight1.086 kg1.308 kg1.41 kg	Alarm			
Environmental and Compliances         -40 to +75°C           Operating Temperature Range         -40 to +75°C           Storage Temperature Range         -40 to +85 °C           Humidity (Non-Condensing)         5 to 95% RH           Vibration, Shock & Freefall         Otheration: IEC60068-2-6; Shock: IEC60068-2-3; Free Fall: IEC60068-2-32           Certification Compliance         UL 60950-1, CE, FCC           EMC         FCC Part > EN 61000-6-2, EN 61000-6-4, EN 61000-4-2, -3, -4, -5, -5           RoHS & WEEE         RoHS (Pb free) and WEEE compliant           MTBF         >25 years           Mechanical         61 x 154 x 109 mm           Dimensions         61 x 154 x 109 mm           Yeight         1.086 kg         1.308 kg	Alarm Relay Output	Relay output with current carrying capacity of 0.5A @ 24 VDC		
Operating Temperature Range        40 to +75°C           Storage Temperature Range        40 to +85 °C           Humidity (Non-Condensing)         5 to 95% RH           Vibration, Shock & Freefall         Control Contrecontrol Control Control Control Control Contrecontre	Alarm Notification	Configurable alarm profile to enable Alarm LED, Alarm relay & SNMP traps		
Storage Temperature Range40 to +85 °CHumidity (Non-Condensing)5 to 95% RHVibration, Shock & FreefallVibration: IEC60068-2-6; Shock: IEC60068-2-27; Free Fall: IEC60068-2-32Certification ComplianceUL 60950-1, CE, FCCEMCFCC Part 15, EN 61000-6-2, EN 61000-6-4, EN 61000-4-2, -3, -4, -5, -6RoHS & WEEERoHS (Pb free) and WEEE compliantMTBF $> 25$ yearsMechanicalIP30Ingress Protection $61 \times 154 \times 109$ mmWeight1.086 kg1.086 kg1.308 kg1.308 kg1.41 kg	Environmental and Compliances			
Humidity (Non-Condensing)         5 to 95% RH           Vibration, Shock & Freefall         Vibration: IEC60068-2-6; Shock: IEC60068-2-32           Certification Compliance         UL 60950-1, CE, FCC           EMC         FCC Part 15, EN 61000-6-2, EN 61000-6-4, EN 61000-4-2, -3, -4, -5, -6           RoHS & WEEE         RoHS (Pb free) and WEEE compliant           MTBF         > 25 years           Mechanical         IP30           Dimensions         61 x 154 x 109 mm           1.086 kg         1.308 kg           1.41 kg	Operating Temperature Range	-40 to +75°C		
Vibration, Shock & FreefallVibration: IEC60068-2-6; Shock: IEC60068-2-27; Free Fall: IEC60068-2-32Certification ComplianceUL 60950-1, CE, FCCEMCFCC Part 15, EN 61000-6-2, EN 61000-6-4, EN 61000-4-2, -3, -4, -5, -6RoHS & WEEERoHS (Pb free) and WEEE compliantMTBF>25 yearsMechanicalIP30Ingress Protection61 x 154 x 109 mmDimensions61 x 154 x 109 mmMeight1.086 kgIngress Ro1.308 kgIngress Ro1.41 kg	Storage Temperature Range	-40 to +85 °C		
Certification Compliance         UL 60950-1, CE, FCC           EMC         FCC Part 15, EN 61000-6-2, EN 61000-4-2, -3, -4, -5, -6           RoHS & WEEE         RoHS (Pb free) and WEEE compliant           MTBF         > 25 years           Mechanical         IP30           Dimensions         61 x 154 x 109 mm           1.086 kg         1.308 kg	Humidity (Non-Condensing)	5 to 95% RH		
EMC         FCC Part 15, EN 61000-6-2, EN 61000-4-2, -3, -4, -5, -6           RoHS & WEEE         RoHS (Pb free) and WEEE compliant           MTBF         > 25 years           Mechanical         IP30           Dimensions         61 x 154 x 109 mm         77 x 128 mm           Weight         1.086 kg         1.308 kg         1.41 kg	Vibration, Shock & Freefall	Vibration: IEC60068-2-6; Shock: IEC60068-2-27; Free Fall: IEC60068-2-32		
RoHS & WEEE         RoHS (Pb free) and WEEE compliant           MTBF         >25 years           Mechanical         IP30           Dimensions         61 x 154 x 109 mm         77 x 154 x 128 mm           Weight         1.086 kg         1.308 kg         1.41 kg	Certification Compliance	UL 60950-1, CE, FCC		
MTBF         >25 years           Mechanical         IP30           Ingress Protection         61 x 154 x 109 mm         77 x 128 mm           Dimensions         61 x 154 x 109 mm         1.308 kg         1.41 kg	EMC	FCC Part 15, EN 61000-6-2, EN 61000-6-4, EN 61000-4-2, -3, -4, -5, -6		
Mechanical         IP30           Ingress Protection         IP30           Dimensions         61 x 154 x 109 mm           Veight         1.086 kg           1.308 kg         1.41 kg	RoHS & WEEE	RoHS (Pb free) and WEEE compliant		
Ingress Protection         IP30           Dimensions         61 x 154 x 109 mm         77 x 154 x 128 mm           Weight         1.086 kg         1.308 kg         1.41 kg	MTBF	> 25 years		
Dimensions         61 x 154 x 109 mm         77 x 154 x 128 mm           Weight         1.086 kg         1.308 kg         1.41 kg	Mechanical			
Weight         1.086 kg         1.308 kg         1.41 kg	Ingress Protection		IP30	
	Dimensions	61 x 154 x 109 mm	77 x 154 x 128 mm	
Installation Options DIN-Rail mounting, Wall mounting	Weight	1.086 kg	1.308 kg	1.41 kg
	Installation Options	DIN-Rail mounting, Wall mounting		



Accessories			
SFP Transceivers			
DIS-S301SX	1-port Mini-GBIC SFP to 1000BaseSX Multi-Mode Fibre Transceiver • up to 550 m • -40~85°C operating temperature		
DIS-S302SX	<ul> <li>1-port Mini-GBIC SFP to 1000BaseSX Multi-Mode Fibre Transceiver</li> <li>up to 2 km</li> <li>-40~85°C operating temperature</li> </ul>		
DIS-S310LX	<ul> <li>1-port Mini-GBIC SFP to 1000BaseLX Single-Mode Fibre Transceiver</li> <li>up to 10 km</li> <li>-40~85°C operating temperature</li> </ul>		
Power Supplies			
DIS-H30-24	30W 24VDC Ultra Slim DIN Rail PSU • Input: 85 ~ 264VAC • Output: 21.6 ~ 29V DC • Din rail TS-35/7.5 or 15 mountable • -30~70°C operating temperature		
DIS-H60-24	60W 24VDC Ultra Slim DIN Rail PSU <ul> <li>Input: 85 ~ 264VAC</li> <li>Output: 21.6 ~ 29V DC</li> <li>Din rail TS-35/7.5 or 15 mountable</li> <li>-30~70°C operating temperature</li> </ul>		
DIS-N240-48	240W 48VDC DIN Rail PSU • Input: 90 ~ 264VAC • Output: 48 ~ 55V DC • Din rail TS-35/7.5 or 15 mountable • -20~70°C operating temperature		
DIS-N480-48	<ul> <li>480W 48VDC DIN Rail PSU</li> <li>Input: 90 ~ 264VAC</li> <li>Output: 48 ~ 55V DC</li> <li>Din rail TS-35/7.5 or 15 mountable</li> <li>-20~70°C operating temperature</li> </ul>		



### For more information: www.dlink.com

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