

DFO48G10UiXDGL

Ethernet 1000Mbps

Unmanaged Fiber Optic Switch

Multi-Drop



DESCRIPTION

The DFO48G10UiX9DGL Series are compact, field installable unmanaged, Ethernet Fiber Switches with 8 x 1000TX copper ports and 2 x 1000Base-X fiber ports for multi-drop topology transmission. Units are designed for today's edge appliance networks, feature high grade components, rugged temperature ratings - IP44 housings (no fan required) resists dust, dirt, moisture, insects and smoke. With 9-52VDC input voltages and DIN rail mount, the DFO48G10UiXDGL Series are a perfect solution for commercial and industrial IP Video surveillance installations.



FEATURES

- * Unmanaged Ethernet 1000Mbps Fiber Switch for Multi-drop configuration
- * 8x1000Base-TX Copper, 2x1000Base-X
- * Auto-negotiation and auto-cross MDI-MDIX
- * Full duplex flow/half-duplex Interface control
- * Ethernet 802.3i, 802.3u, 802.3x; 10Base-T 100BASE-TX, 1000BASE-T, 1000BASE-X
- * Supports Reverse Connection
- * Transmission mode: storage and forward
- * System bandwidth > 40Gbps (non-jam)
- * Power-on, Status and Data Traffic LEDs
- * 20Km and 40Km SM Fiber Versions LC
- * Standard DIN Rail Configurations
- * 9-52VDC (use 24VDC) input voltages
- * Compliance with CE, FCC, ROHS, IP44

APPLICATIONS

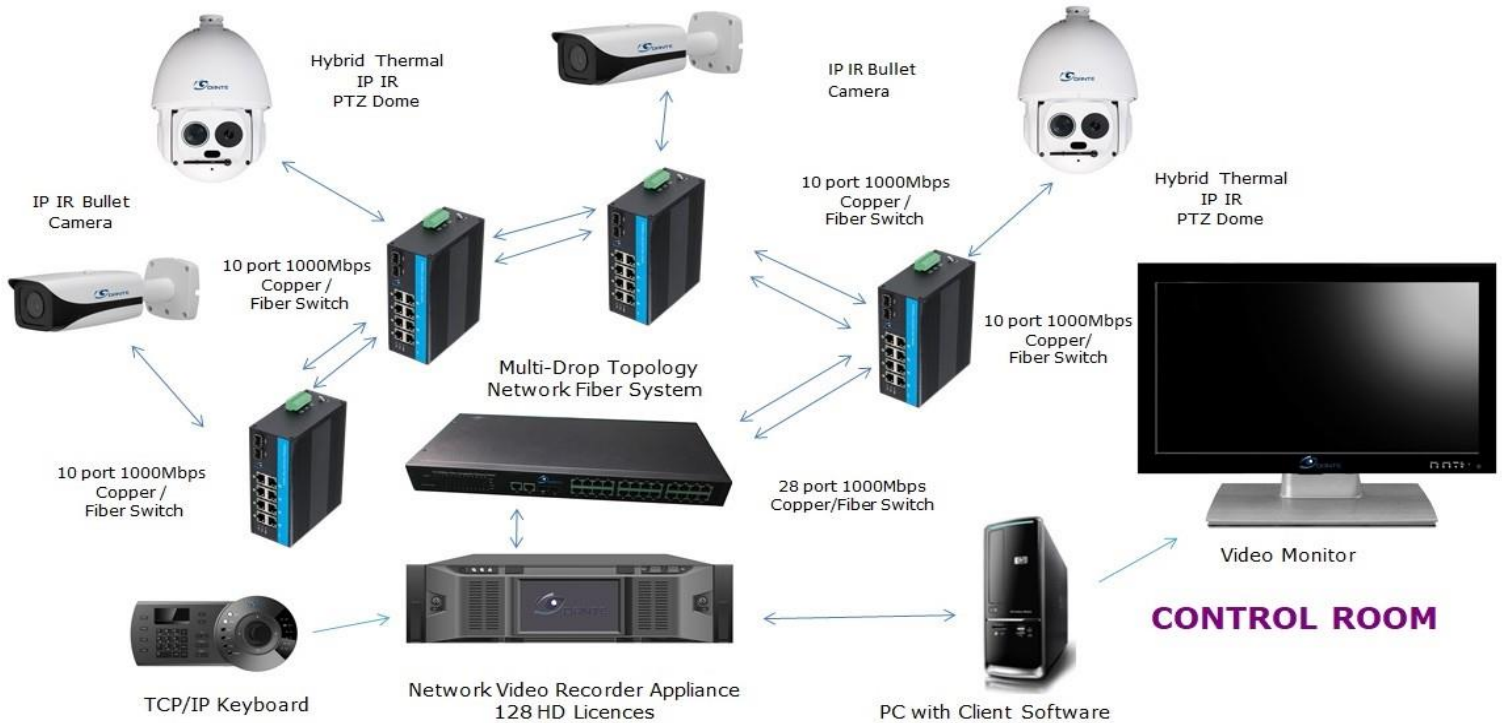
- * Homeland Security
- * Correctional Centers
- * Petrochemical Industry
- * Corporate and Banking
- * Casinos and Hospitality
- * Health Care Centers
- * Schools and Universities
- * Government and Military
- * Power Generating Plants
- * Traffic Surveillance (ITS)

ORDERING INFORMATION

DFO48G10UiXE9DGL	Unmanaged Ethernet Switch, 8 x 1000Base-TX Copper, 2 x 1000BaseX Fiber Optic Ports TRX 20Km SM, Din Rail, 24VDC LC
DFO48G10UiXF9DGL	Unmanaged Ethernet Switch, 8 x 1000Base-TX Copper, 2 x 1000BaseX Fiber Optic Ports TRX 40Km SM, Din Rail, 24VDC LC



DF048G10UiXDGL Ethernet 1000Mbps Unmanaged Fiber Optic Switch Multi-Drop



Data Performance

Fiber ports: 2 x 1000Base-X LC
 Electrical Ports: 8 x RJ-45 1000Base-TX
 RJ-45 Ports Data Rate: 1000 Mbps, FDX and HDX modes
 Auto-negotiation and auto-cross MDI-MDIX on RJ-45 ports
 Network Standards: Ethernet IEEE 802.3, IEEE 802.3u; IEEE 802.1af, 100BASE-TX, 1000BASE-T, 1000BASE-X

Mechanical Parameters

Enclosure: Robust sheet metal Aluminum
 Dimensions H x W x D: 6.2"(158mm), 2.4"(60mm) 4.53"(115mm)
 Cooling Method: Convection, case as heat sink
 Mounting: DIN Rail

Power Supplies

Power Input: 9-52VDC voltages
 Power Connector: Built-in screw terminal/jack
 Power Consumption: <5 Watts

Environmental Parameters

Operating Temperature: -40°C to 85°C
 Operating Humidity: 5% - 95% (non-condensing)

LED Indicators

Power: ON for power applied
 10/100 per RJ-45 port: Steady ON for 100 Mb, OFF for 10 Mb speed
 LK/ACT per port: Steady ON for LINK with no traffic, blinking for Activity
 F/H per port in end: Steady ON for F/D mode, OFF for H/D mode

Regulatory Compliance

Agencies: CE, FCC, ROHS, IP44
 EMC disturbance: EN55022
 EMC immunity: EN50082-2
 EN55022: Class A
 Electrostatic/ EMI: IEC61000-4-2; 61000-4-3
 Transient Response/ Surge: IEC61000-4-4; 61000-4-5
 Radio Frequency: IEC61000-4-6
 Vibration/Shock: IEC60068-2-6; 60068-2-27
 Manufactured to: ISO9001:2000 Standards

Optical performance

Fiber type	Singlemode	Multimode
Wavelength	Laser 1310nm	Laser 850nm (500m)
Output Power	-26 dBm/-15 dBm	-18dBm
Receiver Sensitivity	-38 dBm	-35dBm
Optical Loss Budget	12 dB/23 dB	17dB

