

# DFO48G06UiX

## Ethernet 10/100/1000Mbps

### Unmanaged Fiber Optic Switch

#### Multi-Drop



#### DESCRIPTION

The DFO48G06UiX9DL Series are compact, field installable unmanaged, Ethernet Fiber Switches with 4 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 9-36VDC input voltages and DIN rail mount, the DFO48G06UiX Series are a perfect solution for commercial and industrial IP Video surveillance installations.



#### FEATURES

- \* Unmanaged Ethernet 1000Mbps Fiber Switch for Multi-drop configuration
- \* 4x1000Base-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
- \* 9-36VDC (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

- |                  |  |
|------------------|--|
| DFO48G06UiXE9DGL | Unmanaged Ethernet Switch, 4 x 1000Base-TX Copper, 2 x 1000BaseX Fiber Optic Ports TRX 20Km SM, Din Rail, 24VDC LC |
| DFO48G06UiXF9DGL | Unmanaged Ethernet Switch, 4 x 1000Base-TX Copper, 2 x 1000BaseX Fiber Optic Ports TRX 40Km SM, Din Rail, 24VDC LC |

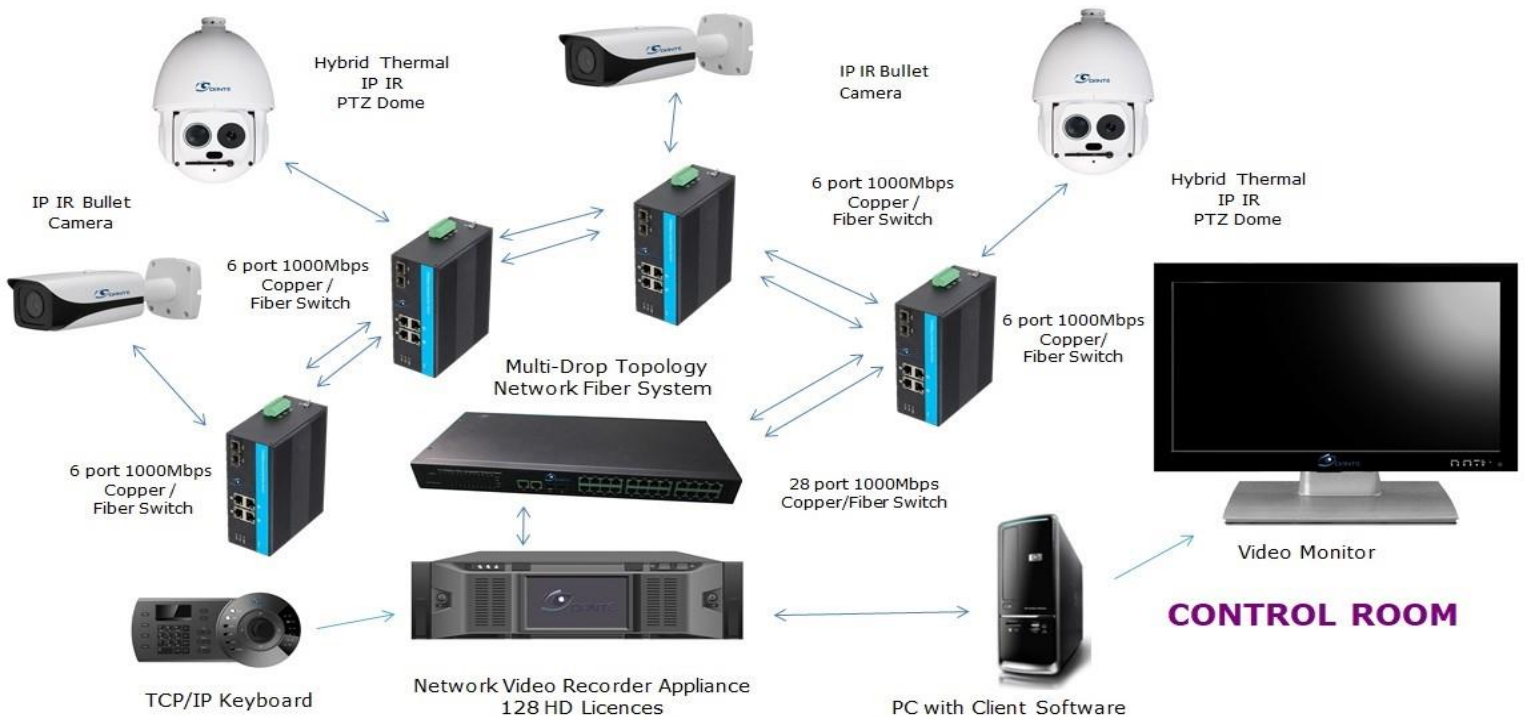


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#### Data Performance

Fiber ports: 2 x 1000Base-X LC  
 Electrical Ports: 4 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)  
 Weight: 1.8lbs (800g)  
 Cooling Method: Convection, case as heat sink  
 Mounting: DIN Rail

#### Power Supplies

Power Input: 9-36VDC 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



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