DFO48G03UiX
Ethernet 10/100/1000Mbps
Unmanaged Fiber Optic Switch

DESCRIPTION

The DFO48G03UiX9DL Series are compact, field installable unmanaged, Ethernet Fiber Switches with 2 x 1000TX copper ports and 1 x 1000Base-X fiber port for point to point or 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 12VDC input voltage and DIN rail mount, the DFO48G03UiX Series are a perfect solution for commercial and industrial IP Video surveillance installations.

FEATURES

* Unmanaged Ethernet 1000Mbps Fiber Switch for Multi-drop configuration
* 2x1000Base-TX Copper, 1x1000Base-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 > 6Gbps (non-jam)
* Power-on, Status and Data Traffic LEDs
* 500m MM, 20Km SM Fiber Versions LC
* Standard DIN Rail Configurations
* Available with 12VDC input voltage
* Compliance with CE, FCC, ROHS, IP44

APPLICATIONS

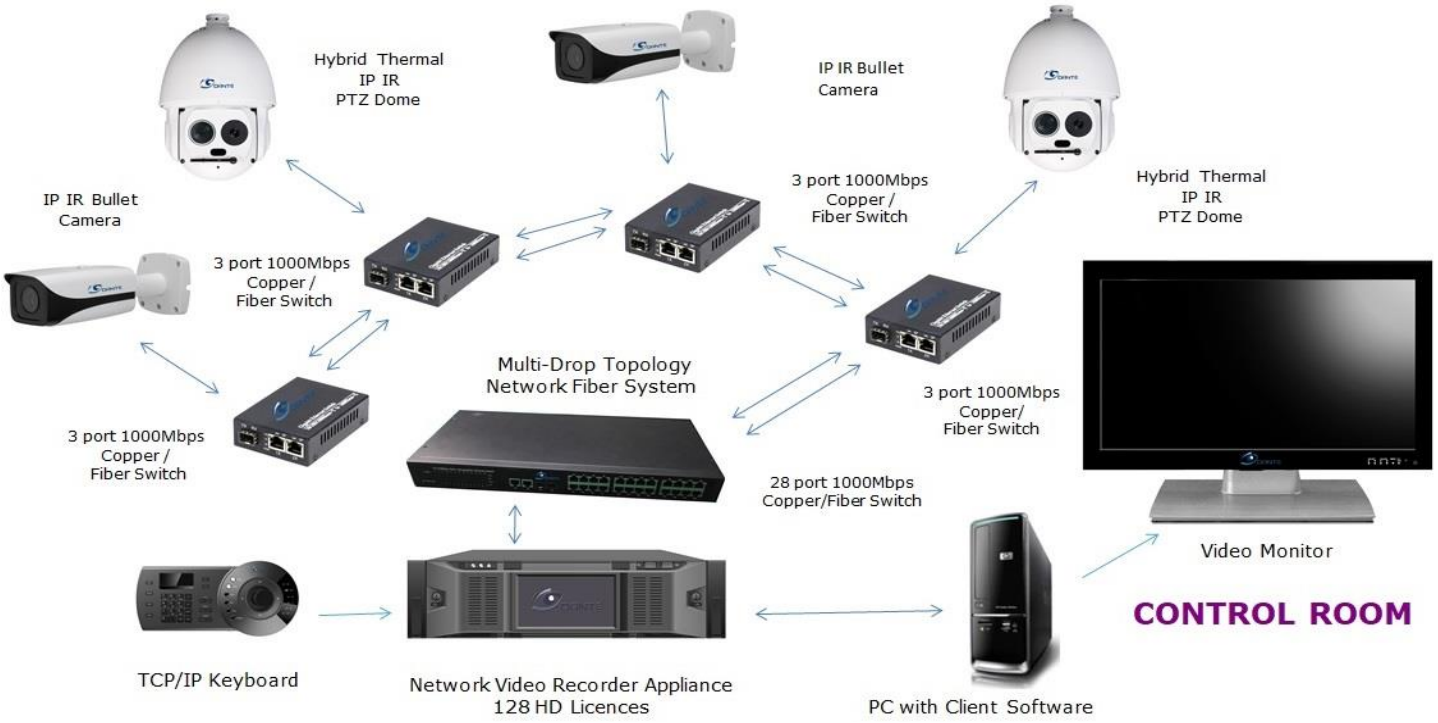
* Homeland Security
* Correctional Centers
* Petrochemical Industry
* Corporate and Banking
* Casinos and Hospitality
* Health Care Centers
* Schools and Universities
* Government and Military
* Power Generating Plants
* Traffic Surveillance (ITS)

ORDERING INFORMATION

DFO48G03UiXF9DGL	Unmanaged Ethernet Switch, 2 x 1000Base-TX Copper, 1 x 1000BaseX SFP Fiber Optic Port TRX 20Km SM (or MM), 12VDC LC

Same model can be used for SM or MM; maximum distance 500m on MM Fiber

DFO48G03UiX
Ethernet 10/100/1000Mbps
Unmanaged Fiber Optic Switch



Data Performance

Fiber ports:	1 x 1000Base-X LC
Electrical Ports:	2 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:	4.7”(118mm), 1.1”(28mm) 3.94”(100mm)
Weight:	1.8lbs (800g)
Cooling Method:	Convection, case as heat sink
Mounting:	DIN rail

Power Supplies

Power Input:	12VDC 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 or Multimode
Wavelength	1310/1550nm
Output Power	-26 dBm/-15 dBm
Receiver Sensitivity	-38 dBm
Optical Loss Budget	12 dB/23 dB