

General description

DDS1121 is a 16/4 channel DMX ArtNet Node with the following features:

- 12 - 48Vdc operation
- 2 Ethernet interfaces 10/100 BASE-T
- 2 Fiber optics interfaces 100 BASE-FX
- 16 DMX channel
- 250 / 500 kbit/s, 30 / 60 fps
- full universe addressing: 0 - 32767 supported
- ArtNet 4 compliant

Descrizione generale

DDS1121 è un nodo DMX ArtNet a 16/4 canali con le seguenti caratteristiche principali:

- funzionamento a 12 - 48Vdc
- 2 interfacce ethernet 10/100 BASE-T
- 2 interfacce per fibra ottica 100 BASE-FX
- 16 canali DMX
- 250 / 500 kbit/s, 30 / 60 fps
- indirizzamento completo degli universi: da 0 a 32767
- compatibile con ArtNet 4

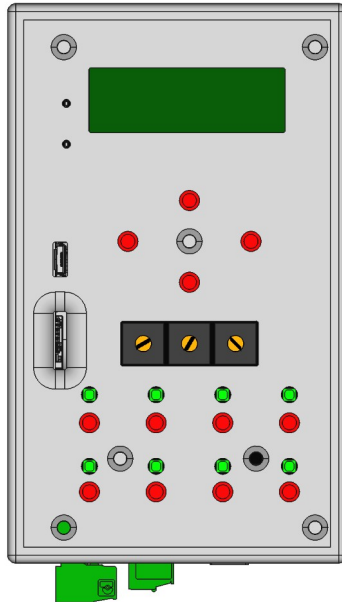
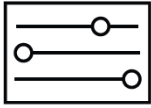


Fig.1

**Technical Specification****Specifiche tecniche**

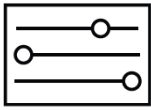
Tab.1.a

Parameter	min	typ/nom	max
Power supply voltage / Tensione di alimentazione	12V	24V	48V
Power supply current / Corrente di alimentazione		140mA @ 24Vdc	
Ethernet interface / Interfacce Ethernet		2 port 100BASE-T up to 100m	
Fiber optics interface / Interfaccia a fibra ottica		2 port 100BASE-FX up to 500m	
DMX channel / canali DMX		8 opto-insulated	
USITT DMX 512		30 fps / 250bps	
DMX +		60 fps / 500bps	
Universe / Universi	1		8
Universe Addressing / Indirizzamento universi	0		32767
ArtNet standard / standard ArtNet		ArtNet 4	
RDM		RDM 2.0 compliant	
Firmware update		by micro USB port	
SD memory card supported (for show storage)	2GB		32GB
Recommended max DMX controlled device per universe			32



Tab.1.b

Parameter	min	typ/nom	max
Digital Inputs (I1,I2,...,I4) sensitive voltage / current		24Vdc / 15mA	
Relay Ouputs (O1,O2,...,O4) max load			0,6A @24Vdc
Operating temperature / Temperatura di funzionamento	-10°C		+45°C
Storage temperature / Temperatura di immagazzinamento	-20°C		+65°C
Case temperature / Temperatura del case			+65°C



Dimension (mm)

Dimensioni(mm)

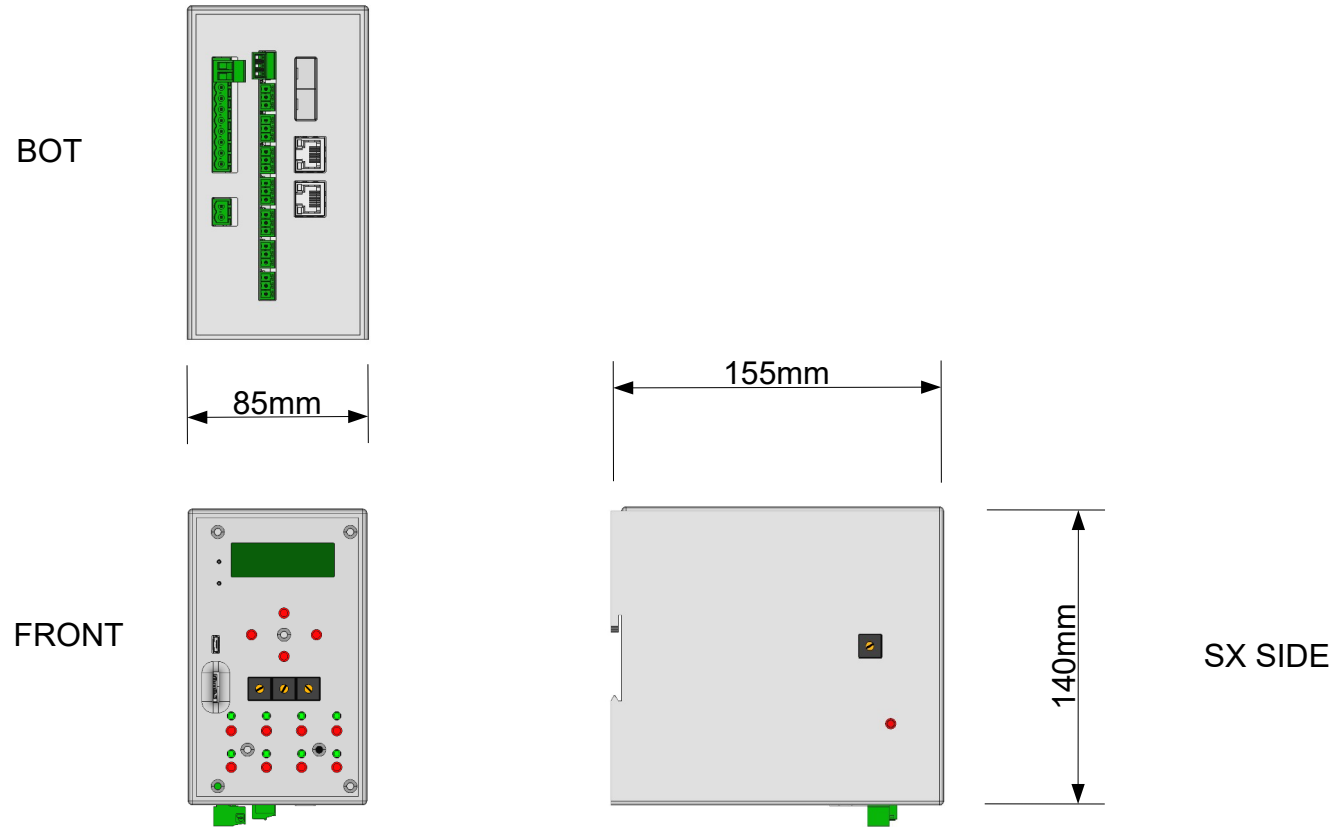


Fig.2 - Dimensions (mm) / Dimensioni (mm)



Wiring information

Informazioni di cablaggio

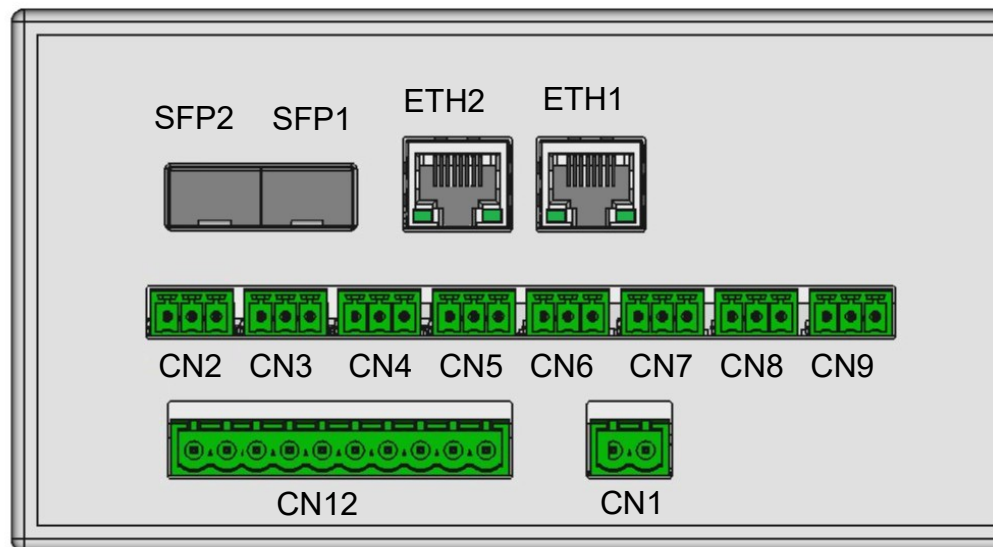
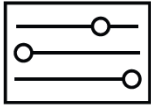
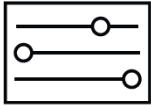


Fig.3 - Connectors



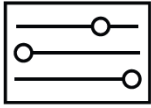
Tab.2.a

	Ref.	Silkscreen	Pin	Description	
Power supply / Alimentazione	CN1	POWER	+	1	Power supply positive terminal / Alimentazione terminale positivo
			-	2	Power supply negative terminal (GND) / Alimentazione terminale negativo (GND)
Type: Phoenix contact 5.08 2 way					
I/O connector / Connettore I/O	CN12	IN/OUT	COM-IN	1	Common reference for inputs / Riferimento comune per gli ingressi
			I1	2	Input n.1 / Ingresso n.1
			I2	3	Input n.2 / Ingresso n.2
			I3	4	Input n.3 / Ingresso n.3
			I4	5	Input n.4 / Ingresso n.4
			O1	6	Output n.1 / Uscita n.1
			O2	7	Output n.2 / Uscita n.2
			O3	8	Output n.3 / Uscita n.3
			O4	9	Output n.4 / Uscita n.4
			COM-OUT	10	Common reference for outputs / Riferimento comune per le uscite
DMX connectors / Connettori DMX	CN2	1	DMX-A	1	DMX signal A(+) - CH1
			DMX-B	2	DMX signal B(-) - CH1
			DMX-GND	3	GND reference for DMX signal - CH1
	CN3	2	DMX-A	1	DMX signal A(+) - CH2
			DMX-B	2	DMX signal B(-) - CH2
			DMX-GND	3	GND reference for DMX signal - CH2
Type: Phoenix 3,81 3 way					



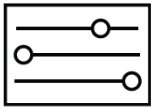
Tab.2.b

	Ref.	Silkscreen		Description	
DMX connectors / Connettori DMX Type: Phoenix 3,81 3 way	CN4	3	DMX-A	1	DMX signal A(+) - CH3
			DMX-B	2	DMX signal B(-) - CH3
			DMX-GND	3	GND reference for DMX signal - CH3
	CN5	4	DMX-A	1	DMX signal A(+) - CH4
			DMX-B	2	DMX signal B(-) - CH4
			DMX-GND	3	GND reference for DMX signal - CH4
	CN6	5	DMX-A	1	DMX signal A(+) - CH5
			DMX-B	2	DMX signal B(-) - CH5
			DMX-GND	3	GND reference for DMX signal - CH5
	CN7	6	DMX-A	1	DMX signal A(+) - CH6
			DMX-B	2	DMX signal B(-) - CH6
			DMX-GND	3	GND reference for DMX signal - CH6
	CN8	7	DMX-A	1	DMX signal A(+) - CH7
			DMX-B	2	DMX signal B(-) - CH7
			DMX-GND	3	GND reference for DMX signal - CH7
	CN9	8	DMX-A	1	DMX signal A(+) - CH8
			DMX-B	2	DMX signal B(-) - CH8
			DMX-GND	3	GND reference for DMX signal - CH8



Tab.2.c

	Ref.	Silkscreen	Description
Ethernet connectors / Connettori Ethernet Type: RJ45	CN301	ETH1	Ethernet 100BASE-T port 1
	CN302	ETH2	Ethernet 100BASE-T port 2
Fiber Optics connectors	SFP352	SFP1	Fiber Optics Ethernet 100BASE-FX port 1
		SFP2	Fiber Optics Ethernet 100BASE-FX port 2



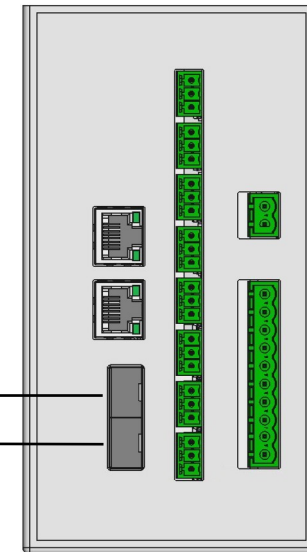
Fiber optic

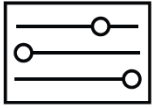
Fibra ottica

Buffer/jacket color	Meanings
Yellow	Single-mode optical fiber
Orange	Multi-mode optical fiber
Aqua	10 Gig laser-optimized 50/125 μm MM optical fiber
Grey	Outdated color code for MM optical fiber
Blue	Sometimes used to designate Polarization-Maintaining optical fiber

Fiber Optics Main 1

Fiber Optics Main 2





Da finire