

Technical data

General features

DP1.2-VISIONXG-FIBER SERIES

Graphics	Format:	DisplayPort (DP 1.2)
	Colour depth:	24 Bit
	Pixel encoding:	RGB 4:4:4 with 24bpp/8bpc
	Videobandwidth:	max. 600 MP/s, DisplayPort 4 Lanes, LBR, HBR, HBR2, SingleStreamTransport (SST)
	Max. resolution per video channel:	<ul style="list-style-type: none"> 2560 × 1600 @ 60Hz 4096 × 2160 @ 60Hz (4Kp60Hz)
	Exemplary resolutions:	per video channel: <ul style="list-style-type: none"> 1920 × 1200 @ 60Hz 2048 × 2048 @ 60Hz (2K × 2K) 2560 × 1600 @ 60Hz 3840 × 2160 @ 60Hz (Ultra HD/60Hz) 4096 × 2160 @ 60Hz (4Kp60Hz)
		when using two video channels (MC variants only): <ul style="list-style-type: none"> 7680 × 4320 @ 30Hz (8K)
		when using two video channels (MC variants only): <ul style="list-style-type: none"> 7680 × 4320 @ 60Hz (8K)
		nVidia 3D-Vision 120Hz: <ul style="list-style-type: none"> 1680 × 1050 @ 120Hz
		› further standardised resolutions possible
Audio › DisplayPort Digital	Vertical frequency:	24 Hz to 200 Hz
	Horizontal frequency:	25 kHz to 185 kHz
	Transmission type:	2 channel LPCM, stereo
Audio	Resolutions:	16/20/24 bit
	Sampling rates:	up to 48 kHz
	Resolution:	24 bit
	Sampling rate:	96 kHz
USB › ARU2 variant	Bandwidth:	22 kHz
	Specification:	USB 2.0
	Transmission type:	transparent
RS232	Transmission rate:	max. 480 Mbit/s
	Transmission type:	transparent
	Transmission rate:	max. 230,400 bps
	Transmitted signals:	TxD, RxD, DTR, DSR, RTS, CTS, DCD

DP1.2-VISIONXG-FIBER SERIES		
Main power supply	Type:	internal power pack
	Connection:	IEC plug(IEC-320 C14)
	Voltage:	AC100-240V/60-50Hz
Redundant power supply	Type:	internal power pack
	Connection:	IEC plug (IEC-320 C14)
	Voltage:	AC100-240V/60-50Hz
Operating environment	Temperature:	+5 to +45 °C
	Air humidity:	< 80%, non-condensing

General module features

DP1.2-VISIONXG-FIBER-CPU | COMPUTER MODULE

Interfaces for console	Monitor: ‣ per video channel	1 × DisplayPort socket
	Keyboard:	1 × PS/2 socket 1 × USB-A socket
	Mouse:	1 × USB-A socket
Interfaces to computer	Video:	1 × DisplayPort socket
	PS/2 keyboard:	1 × PS/2 socket
	USB keyboard/mouse:	1 × USB-B socket
	Audio:	1 × 3.5-mm jack socket (Line In) 1 × 3.5-mm jack socket (Line Out)
	USB (transparent): ‣ Variant -ARU2	1 × USB-B socket
	RS232:	1 × D-Sub9 socket
Interfaces for transmission	Video and input devices:	‣ see specific features
Other interfaces	Connection to network:	2 × RJ45 socket

DP1.2-VISIONXG-FIBER-CON | USER MODULE

Schnittstellen für Arbeitsplatz	Monitor: ‣ per video channel	1 × DisplayPort socket
	Keyboard:	1 × PS/2 socket 1 × USB-A socket
	Mouse:	1 × USB-A socket
	Generic:	1 × USB-A socket
	Audio:	1 × 3.53.5-mm jack socket (Micro In) 1 × 3.5-mm jack socket (Speaker)
	USB: ‣ Variant -ARU2	4 × USB-A socket
	RS232:	1 × D-Sub9 socket
Interfaces for transmission	Video and input devices:	‣ see specific features
Other interfaces	Connection to network:	2 × RJ45 socket

Specific variant features

DP1.2-VISIONXG-FIBER-AR-CPU COMPUTER MODULE		
Interfaces for transmission	Video and input devices:	2 × LWL LC-Duplex socket
Current consumption	maximum:	100-240VAC/60-50Hz/0.7-0.3A
Power consumption	maximum:	31,7 W
Casing	Material:	anodised aluminium
	Dimensions (W × H × D):	435 mm × 1 U × 210 mm
	Weight:	approx. 2.6 kg
DP1.2-VISIONXG-FIBER-AR-CON USER MODULE		
Interfaces for transmission	Video and input devices:	2 × LWL LC-Duplex socket
Current consumption	maximum:	100-240VAC/60-50Hz/0.7-0.4A
Power consumption	maximum:	40,1 W
Casing	Material:	anodised aluminium
	Dimensions (W × H × D):	435 mm × 1 U × 210 mm
	Weight:	approx. 2.6 kg
DP1.2-VISIONXG-FIBER-ARU2-CPU COMPUTER MODULE		
Interfaces for transmission	Video and input devices:	2 × LWL LC-Duplex socket
Current consumption	maximum:	100-240VAC/60-50Hz/0.7-0.4A
Power consumption	maximum:	32,7 W
Casing	Material:	anodised aluminium
	Dimensions (W × H × D):	435 mm × 1 U × 210 mm
	Weight:	approx. 2.6 kg
DP1.2-VISIONXG-FIBER-ARU2-CON USER MODULE		
Interfaces for transmission	Video and input devices:	2 × LWL LC-Duplex socket
Current consumption	maximum:	100-240VAC/60-50Hz/0.8-0.4A
Power consumption	maximum:	52,5 W
Casing	Material:	anodised aluminium
	Dimensions (W × H × D):	435 mm × 1 U × 210 mm
	Weight:	approx. 2.6 kg

DP1.2-VISIONXG-FIBER-MC2-AR-CPU | COMPUTER MODULE

Interfaces for transmission	Video and input devices:	4 × LWL LC-Duplex socket
Current consumption	maximum:	100-240VAC/60-50Hz/0.7-0.4A
Power consumption	maximum:	41,2 W
Casing	Material:	anodised aluminium
	Dimensions (W × H × D):	435 mm × 1 U × 210 mm
	Weight:	approx. 2.7 kg

DP1.2-VISIONXG-FIBER-MC2-AR-CON | USER MODULE

Interfaces for transmission	Video and input devices:	4 × LWL LC-Duplex socket
Current consumption	maximum:	100-240VAC/60-50Hz/0.7-0.4A
Power consumption	maximum:	48,5 W
Casing	Material:	anodised aluminium
	Dimensions (W × H × D):	435 mm × 1 U × 210 mm
	Weight:	approx. 2.7 kg

DP1.2-VISIONXG-FIBER-MC2-ARU2-CPU | COMPUTER MODULE

Interfaces for transmission	Video and input devices:	4 × LWL LC-Duplex socket
Current consumption	maximum:	100-240VAC/60-50Hz/0.7-0.4A
Power consumption	maximum:	42,1 W
Casing	Material:	anodised aluminium
	Dimensions (W × H × D):	435 mm × 1 U × 210 mm
	Weight:	approx. 2.7 kg

DP1.2-VISIONXG-FIBER-MC2-ARU2-CON | USER MODULE

Interfaces for transmission	Video and input devices:	4 × LWL LC-Duplex socket
Current consumption	maximum:	100-240VAC/60-50Hz/0.7-0.4A
Power consumption	maximum:	60,9 W
Casing	Material:	anodised aluminium
	Dimensions (W × H × D):	435 mm × 1 U × 210 mm
	Weight:	approx. 2.7 kg

DP1.2-VISIONXG-FIBER-MC3-AR-CPU COMPUTER MODULE		
Interfaces for transmission	Video and input devices:	6 × LWL LC-Duplex socket
Current consumption	maximum:	100-240VAC/60-50Hz/0.7-0.4A
Power consumption	maximum:	65,4 W
Casing	Material:	anodised aluminium
	Dimensions (W × H × D):	435 mm × 1 U × 284,5 mm
	Weight:	approx. 2,9 kg
DP1.2-VISIONXG-FIBER-MC3-AR-CON USER MODULE		
Interfaces for transmission	Video and input devices:	6 × LWL LC-Duplex socket
Current consumption	maximum:	100-240VAC/60-50Hz/0.7-0.4A
Power consumption	maximum:	73,0 W
Casing	Material:	anodised aluminium
	Dimensions (W × H × D):	435 mm × 1 U × 284,5 mm
	Weight:	approx. 3,3 kg
DP1.2-VISIONXG-FIBER-MC3-ARU2-CPU COMPUTER MODULE		
Interfaces for transmission	Video and input devices:	6 × LWL LC-Duplex socket
Current consumption	maximum:	100-240VAC/60-50Hz/0.7-0.4A
Power consumption	maximum:	67,5 W
Casing	Material:	anodised aluminium
	Dimensions (W × H × D):	435 mm × 1 U × 284,5 mm
	Weight:	approx. 2,9 kg
DP1.2-VISIONXG-FIBER-MC3-ARU2-CON USER MODULE		
Interfaces for transmission	Video and input devices:	6 × LWL LC-Duplex socket
Current consumption	maximum:	100-240VAC/60-50Hz/0.8-0.4A
Power consumption	maximum:	93,3 W
Casing	Material:	anodised aluminium
	Dimensions (W × H × D):	435 mm × 1 U × 284,5 mm
	Weight:	approx. 3,4 kg

DP1.2-VISIONXG-FIBER-MC4-AR-CPU | COMPUTER MODULE

Interfaces for transmission	Video and input devices:	8 × LWL LC-Duplex socket
Current consumption	maximum:	100-240VAC/60-50Hz/1.0-0.5A
Power consumption	maximum:	77,3 W
Casing	Material:	anodised aluminium
	Dimensions (W × H × D):	435 mm × 1 U × 284,5 mm
	Weight:	approx. 3,6 kg

DP1.2-VISIONXG-FIBER-MC4-AR-CON | USER MODULE

Interfaces for transmission	Video and input devices:	8 × LWL LC-Duplex socket
Current consumption	maximum:	100-240VAC/60-50Hz/1.1-0.5A
Power consumption	maximum:	83,5 W
Casing	Material:	anodised aluminium
	Dimensions (W × H × D):	435 mm × 1 U × 284,5 mm
	Weight:	approx. 3,6 kg

DP1.2-VISIONXG-FIBER-MC4-ARU2-CPU | COMPUTER MODULE

Interfaces for transmission	Video and input devices:	8 × LWL LC-Duplex socket
Current consumption	maximum:	100-240VAC/60-50Hz/1.0-0.5A
Power consumption	maximum:	81,9 W
Casing	Material:	anodised aluminium
	Dimensions (W × H × D):	435 mm × 1 U × 284,5 mm
	Weight:	approx. 3,7 kg

DP1.2-VISIONXG-FIBER-MC4-ARU2-CON | USER MODULE

Interfaces for transmission	Video and input devices:	8 × LWL LC-Duplex socket
Current consumption	maximum:	100-240VAC/60-50Hz/1.1-0.5A
Power consumption	maximum:	105,0 W
Casing	Material:	anodised aluminium
	Dimensions (W × H × D):	435 mm × 1 U × 284,5 mm
	Weight:	approx. 3,7 kg

Features of the transmission modules

Multimode transmission modules

GENERAL FEATURES		
Data transmission	Type:	Optical fibres (2 fibres)
	Type of interface:	LC-Duplex
	Wavelength (λ):	850 nm
Cable length (max.)	Multimode 50/125 μ m, 4700MHz*km, OM4:	400 meters
	Multimode 50/125 μ m, 2000 MHz*km, OM3:	300 meters
	Multimode 50/125 μ m, 500 MHz*km, OM2:	82 meters
	Multimode 50/125 μ m, 400MHz*km:	66 meters
	Multimode 62,5/125 μ m, 200 MHz*km, OM1:	33 meters
	Multimode 62,5/125 μ m, 160 MHz*km, FDDI-grade:	26 meters

Singlemode transmission modules

GENERAL FEATURES		
Data transmission	Type:	Optical fibres (2 fibres)
	Type of interface:	LC-Duplex
	Wavelength (λ):	1310 nm (1260 nm to 1355 nm)
Cable length (max.)	Singlemode 9/125 μ m, class OS1:	10 kilometers