

Media Converters, PoE Injector Splitter

Seamless Integration & Limitless Reach



VOLKTEK

Volktek Headquarters

4F, 192, Liancheng Rd., Zhonghe, New Taipei City 235038, Taiwan

Tel: +886-2-8242-1000

Fax: +886-2-8242-3333

E-mail: info@volktek.com

Zhunan Factory

17-1, Guotai Rd., Zhunan, Miaoli 350025, Taiwan

Tel: +886-37-550-288

Fax: +886-37-552-951

E-mail: info@volktek.com

India

5th Floor, Janardana Plaza, 62, Hitech City Main Rd, Lumbini Avenue, Gachibowli, Telangana 50081, India

Tel: +91-720705-6161/6262

Fax: +91-40-2300-1078

E-mail: info@volktek.com

USA

360 Hastings Dr, Buffalo Grove, IL 60089, USA

Tel: 1-847-620-2696

Fax: +1-224-899-2065

E-mail: usa@volktek.com

Industrial PoE+ Media Converters



Model		IMC-661P	IMC-561P	IMC-563P
Interface	10/100/1000Base-T	1	1	100/1000BASE-T
	100-FX/1000-SX/LX	1	1	1
	PoE, PSE	1 Port, 802.3af/at	1 Port, 802.3af/at	1 port, 802.3af/at
Hardware	Jumbo Frame (Bytes)	10K	10K	10K
	Port Isolation	Y	Y	-
	Automatic MDI/MDI-X	Y	Y	Y
	Switching Fabric	4Gbps	4Gbps	4Gbps
	LFS/LLB	Y	Y	-
	Flow Control	Y	Y	-
	Surge Protection	Y	Y	Y
	ESD Protection	Y	Y	Y
	Reverse Polarity	Y	Y	Y
	Over Current Protection	Y	Y	Y
Industrial Standards & Certifications	FCC Part 15, CE	Y	Y	Y
	Shock Test	Y	Y	Y
	Freefall Test	Y	Y	Y
	Vibration Test	Y	Y	Y
Power	DC Power Input	48 ~ 57VDC	48 ~ 57VDC	48 ~ 57VDC
	Redundant Power	Y	Y	-
	Alam Contact	Y	Y	-
	Power Isolation	Y	Y	-
	System Power Consumption	7W	7W	5W
	PoE Power Budget	30W	30W	30W
Mechanical & Environmental	Dimensions (W x H x D)	49.6 x 120 x 100 mm	50 x 116 x 100 mm	60.5 x 42.5 x 50 mm
	Weight	450g	385g	185g
	Housing	Aluminum, IP30	Metal, IP30	Metal, IP30
	Mounting Kit	DIN-Rail, Wall-Mount (Optional)	DIN-Rail, Wall-Mount (Optional)	DIN-Rail, Wall-Mount (Optional)
	Operating Temperature	-40°C ~ 75°C	-10°C ~ 60°C	-40°C ~ 75°C

Industrial Media Converters



Model		IMC-661	IMC-561	IMC-563
Interface	10/100/1000Base-T	1	1	100/1000
	100-FX/1000-SX/LX	1	1	1
Hardware	Jumbo Frame (Bytes)	10K	10K	10K
	Port Isolation	Y	Y	-
	Automatic MDI/MDI-X	Y	Y	Y
	Switching Fabric	4Gbps	4Gbps	4Gbps
	LFS/LLB	Y	Y	-
	Flow Control	Y	Y	-
	Surge Protection	Y	Y	Y
	ESD Protection	Y	Y	Y
	Reverse Polarity	Y	Y	Y
	Over Current Protection	Y	Y	Y
Industrial Standards & Certifications	FCC Part 15, CE	Y	Y	Y
	Shock Test	Y	Y	Y
	Freefall Test	Y	Y	Y
	Vibration Test	Y	Y	Y
Power	DC Power Input	20 ~ 57VDC	20 ~ 57VDC	12 ~ 57VDC
	Redundant Power	Y	Y	-
	Alam Contact	Y	Y	-
	Power Isolation	Y	Y	-
	Power Consumption	6W	5.5W	5W
Mechanical & Environmental	Dimensions (W x H x D)	49.6 x 120 x 100 mm	50 x 116 x 100 mm	60.5 x 42.5 x 50 mm
	Weight	486g	380g	185g
	Housing	Aluminum, IP30	Metal, IP30	Metal, IP30
	Mounting Kit	DIN-Rail, Wall-Mount (Optional)	DIN-Rail, Wall-Mount (Optional)	DIN-Rail, Wall-Mount (Optional)
	Operating Temperature	-40°C ~ 75°C	-10°C ~ 60°C	-40°C ~ 75°C

Hardened Media Converters



Model		HMC-672E
Fiber Optics	10/100/1000Base-T	1
	100FX / 1000-SX/LX	1000BASE-SX/LX
	Fiber Mode	MM/SM/WDM
	Data Rate (bps)	1G
	Connector	SFP / SC
	Wavelength	1x9: 850nm (MM); 1310/1550nm (SM/WDM)* SFP: Depends on SFP module
	Distance	2km (MM); 10/30/40/60/100km (SM/WDM)
LAN (RJ45)	Speed	10/100/1000M
	Max. Distance	100m
Advanced Features	Link Fault Signaling	Y
	Local Loopback	Y
	Remote Loopback	Y
	Auto MD/MDI-X	Y
Power	Power Input	+12 VDC
	Power Consumption	1.8W
Mechanical	Dimensions (W x H x D)	73.8 x 109.2 x 28.4 mm
	Housing	Aluminum, IP30
	Mounting	DIN Rail, Wall Mount, Chassis Compatible
Environmental	Operating Temperature	-10°C ~ 60°C
	Storage Temperature	-40°C ~ 85°C
	Operating Humidity	5% ~ 95% (non-condensing)
	Storage Humidity	5% ~ 95% (non-condensing)
Regulations	EMC	FCC Part 15 of Class A, CE

Serial Media Converters



Model		IRF-631	IRF-629
Fiber Optics	Pair Used	Y	Y
	Serial Mode	RS-232	RS-422/485 FD/HD
	Fiber Mode	MM/SM/WDM	MM/SM/WDM
	Data Rate (bps)	50 ~ 115.2K	50 ~ 115.2K
	Connector	SC/ST	SC/ST
	Wavelength	1310nm (MM; SM); 1550nm (SM)*	
	Distance	2km (MM); 30/40/60/100km (SM)	
Power	Power Input	+12 VDC	
	Power Consumption	2.4W	
Mechanical	Dimensions (W x H x D)	90 x 109.2 x 28.4 mm	
	Housing	Aluminum, IP30	
	Mounting	DIN Rail, Wall Mount, Chassis Compatible	
Environmental	Operating Temperature	0°C ~ 50°C	
	Storage Temperature	-20°C ~ 80°C	
	Operating Humidity	10% ~ 80% (non-condensing)	
	Storage Humidity	5% ~ 90% (non-condensing)	
Regulations	EMC	FCC Part 15 of Class A, CE	



Model	NXF-719
Capacity	Up to 12 media converters
Cooling	Three 42.5 cfm rear-mount fans
Weight	9kg (with twelve converters and one power supply)
Power Input	100~240VAC; -48VDC; support redundant power
Power Consumption	15.3W (Spare)
DC Output	+12VDC
Dimensions (W x H x D)	430 x 290 x 133 mm; 3U

Commerical Media Converters



Model		NXF-742E	NGF-763	NGF-762E
Fiber Optics	10/100/1000Base-T	10/100BASE-TX	100/1000Base-T	1
	100FX / 1000-SX/LX	100FX	1	1
	Fiber Mode	MM/SM/WDM	MM/SM/WDM	MM/SM/WDM
	Data Rate (bps)	100M	100M/1G	1G
	Connector	SC/ST	SFP	SFP/SC
	Wavelength	1310nm (MM; SM; WDM); 1550nm (SM; WDM)*	Depends on SFP module	1x9: 850nm (MM); 1310/1550nm (SM/WDM)* Depends on SFP module
	Distance	2km (MM); 30/40/60/100km (SM); 20km (WDM)*	Depends on SFP module	2km (MM); 10/30/40/60/100km (SM/WDM)
LAN (RJ45)	Speed	10/100M	100/1000M	10/100/1000M
	Max. Distance	100m	100m	100m
Advanced Features	Link Fault Signaling	Y	-	Y
	Local Loopback	Y	-	Y
	Remote Loopback	Y	-	Y
	Auto MD/MDI-X	Y	Y	Y
Power	Power Input	+12 VDC	+12 VDC	+12 VDC
	Power Consumption	1.92W	1.6W	1.8W
Mechanical	Dimensions (W x H x D)	73.8 x 109.2 x 23.4 mm	86.2 x 23.4 x 59.4 mm	73.8 x 23.4 x 109.2 mm
	Housing	Aluminum, IP30	Metal, IP30	Aluminum, IP30
	Mounting	DIN-Rail, Wall-Mount (Optional)	-	DIN-Rail, Wall-Mount (Optional)
Environmental	Operating Temperature	0°C ~ 50°C	0°C ~ 50°C	0°C ~ 50°C
	Storage Temperature	-25°C ~ 70°C	-25°C to 70°C	-20°C to 70°C
	Operating Humidity	5% ~ 95% RH (non-condensing)	5% ~ 95% RH (non-condensing)	5% ~ 95% RH (non-condensing)
	Storage Humidity	5% ~ 95% RH (non-condensing)	5% ~ 95% RH (non-condensing)	5% ~ 95% RH (non-condensing)
Regulations	EMC	FCC Part 15 of Class A, CE	FCC Part 15 of Class A, CE	FCC Part 15 of Class A, CE

Industrial SPE Converter



Model		IMC-553
Interface	10Base-T	1
	10Base-T1L	1
Hardware	Jumbo Frame (Bytes)	-
	Automatic MDI/MDI-X	Y
	Switching Fabric	40Mbps
	Surge Protection	Y
	ESD Protection	Y
	Reverse Polarity	Y
Industrial Standards & Certifications	FCC Part 15, CE	Y
	Shock Test	Y
	Freefall Test	Y
	Vibration Test	Y
Power	DC Power Input	12 ~ 48VDC
	System Power Consumption	3W
Mechanical & Environmental	Dimensions (W x H x D)	86.2 x 23.4 x 59.4 mm
	Weight	205.5g
	Housing	Metal, IP30
	Mounting Kit	Din-Rail
	Operating Temperature	-40°C~75°C

Industrial PoE Injector & Splitter



Model		IPI-432P-60-I	IPI-442P-90-I	IPS-342P
Interface	10/100/1000Base-T	1	1	1
	100-FX/1000-SX/LX	-	-	-
	PoE, PSE	1 port, 802.3af/at/bt	1 port, 802.3af/at/bt	1 port, 802.3af/at/bt
Hardware	Port Isolation	Y	Y	Y
	Surge Protection	Y	Y	Y
	ESD Protection	Y	Y	Y
	Reverse Polarity	Y	Y	Y
	Over Current Protection	Y	Y	Y
	FCC Part 15, CE	Y	Y	Y
Industrial Standards & Certifications	Shock Test	Y	Y	Y
	Freefall Test	Y	Y	Y
	Vibration Test	Y	Y	Y
	DC Power Input	24 ~ 57VDC	24 ~ 57VDC	Power via PoE Port
Power	Redundant Power	Y	Y	-
	Alam Contact	Y	Y	-
	Power Isolation	Y	Y	Y
	System Power Consumption	7W	9W	6W
	PoE Power Budget	60W	90W	90W
Mechanical & Environmental	Dimensions (W x H x D)	25 x 115.8 x 100 mm	25 x 115.8 x 100 mm	25 x 116 x 100 mm
	Weight	385g	385g	262.2g
	Housing	Aluminum, IP30	Aluminum, IP30	Aluminum, IP30
	Mounting Kit	DIN-Rail	DIN-Rail	DIN-Rail
	Operating Temperature	-40°C~75°C	-40°C~75°C	-40°C~75°C

Commercial PoE Injector



Model		GPI-421	GPI-431	GPI-441
Interface	10/100/1000Base-T	1	1	1
	PoE, PSE	1 port, 802.3af/at	1 port, 802.3af/at/bt	1 port, 802.3af/at/bt
Hardware	Pin Assignment and Polarity	1/2(+), 3/6 (-)	1/2(-), 3/6(+), 4/5(+), 7/8(-)	1/2(-), 3/6(+), 4/5(+), 7/8(-)
	Output Power Voltage	52 VDC Max	56 VDC Max	56 VDC Max
	User Port Power	30 Watts Max	60 Watts Max	90 Watts Max
	Input Power Voltage and Frequency	100 ~ 240 VAC, 50 to 60 Hz	100 ~ 240 VAC, 50 to 60 Hz	100 ~ 240 VAC, 50 to 60 Hz
	Dimensions	146 x 65 x 42 mm	180 x 71 x 37 mm	180 x 71 x 37 mm
	Weight	350g	530g	530g
	Indicators	AC Power (Green)	Mode A, Mode B, Power	Mode A, Mode B, Power
	Operating Temperature	-10 to 45°C	0 to 40°C	0 to 40°C
	Dimensions (W x H x D)	146 x 65 x 42 mm	180 x 71 x 37 mm	180 x 71 x 37 mm
	Housing	Plastic	Metal	Metal