

ledTec.flex | converter | advanced | v1.0

This converter provides plug-and-play content control for up to 32 segments (or ~10m²) of "ledTec.flex wallpaper P32 or P16". It receives video input via Artnet protocol and provides differential LED control signals. It provides advanced features for enhancement of image quality, including global white point control and gamma correction.



Data Interfaces

Data input interface connector	RJ45 (Ethernet)
Data input protocol	Artnet V4
Input data rate	10MBit/s or 100MBit/s
Data output connectors	8x RJ45
Data output protocols	WS2812; APA102 (or compatible)
Number of RGB pixels	max 2.720 per output connector -> max 21.760 per Artnet converter
Output data rate	WS2812: 0.8...1MBit/s; SPI: 0.5...4MBit/s

Configuration options (via web interface)

	LED brightness, protocol, test mode, Artnet settings, network settings
Brightness	min. 0%, max 100%
LED protocol	LPIX2, LPIX3
Test mode	for testing LED foils without artnet signal present
Artnet s	number of Artnet universes, address of first universe
Network	IP settings

Power supply

Power supply options	DC power input connector. Wire cross section min. 0.5mm ² / max. 1.5mm ² , cable length max. 10m
Operating voltage	9...48 V DC
Power Consumption (normal operation)	typ. 4W, max. 7W
Startup time	typically 3 sec (depending on system configuration)

Mechanical

Dimensions LxWxH	160mm x 90mm x 32.2mm
Mounting	top-hat rail (upon request: bare PCBA via 4x M3.5 screw)
Weight	215g

Environmental

Operating Temperature	0°C up to 50°C
Storage Temperature	-20°C up to 70°C
Humidity	0-90%, non-condensing
Environment	IP20, indoor
Standards and regulations	CE, RoHS, Reach

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Ordering

Fixtures

Item Code	Description	Data
V10 0019	ledTec.flex display p5 3000 black ip65	3000 NIT / pixel pitch 5mm, IP65
V10 0084	ledTec.flex display p10 7000 deep black ip65	7000 NIT / pixel pitch 10mm, IP65
V10 0085	ledTec.flex banner p16 4000 deep black ip66	4000 NIT / pixel pitch 16mm, IP66
V10 0086	ledTec.flex banner p16 6000 deep black ip66	6000 NIT / pixel pitch 16mm, IP66
V10 0233	ledTec.flex wallpaper p32 2500 v1.0 ip20 black	2500 NIT / pixel pitch 32mm, IP20

Mouting Accessories

V10 0218	ledTec.flex velcro wallpaper black soft & hook per Unit	2,5m length x 25mm width
V10 0219	ledTec.flex velcro wallpaper white soft & hook per Unit	2,5m length x 25mm width
V10 0017	ledTec.flex velcro display black soft & hook per Unit	3,5m length x 25mm width
R10 0018	ledTec.flex velcro black soft roll 25m	25m length x 25mm width
R10 0019	ledTec.flex velcro white soft roll 25m	25m length x 25mm width
R10 0050	ledTec.flex velcro black hook roll 25m	25m length x 25mm width
R10 0051	ledTec.flex velcro white hook roll 25m	25m length x 25mm width

Cables & Connector

V100250	ledTec.flex cable f2f mf 4pin 48.5mm	P32
V100251	ledTec.flex cable f2f mf 6pin 48.5mm	P32
V100252	ledTec.flex cable starter2f mf-rj45 4pin 0.3m	P32
V100253	ledTec.flex cable starter2f mf 6pin 12m	P32
V100254	ledTec.flex cable starter2f mf 6pin 7m	P32
R10 0025	ledTec.flex data cable CAT5e 5m	Rj45
R10 0026	ledTec.flex data cable CAT5e 10m	Rj45
R10 0027	ledTec.flex data cable CAT5e 20m	Rj45

Power Supply

V100240	ledTec.flex power supply 500W/5V	IP20
V100241	ledTec.flex power supply 100W/24V	IP65
V100242	ledTec.flex power supply 240W/24V	IP65
V100243	ledTec.flex power supply 480W/24V	IP65
V100244	ledTec.flex power supply AC 480W/24V din rail	IP20
	ledTec.flex power supply AC 600W/12V (480)	IP66

Converter - Controller

V10 0216	ledTec.flex controller display	Player with 1 HDMI mini out (Terminal), video out: Wifi
V10 0217	ledTec.flex controller display software lizence 12 mounts	Software
V10 0213	ledTec.flex converter advanced v1.0	ARTNet in / LPIX2 out
V10 0098	ledTec.flex LTE router	
V10 0234	ledTec.flex dualSIM 2GB 12months (no content upload)	
V10 0235	ledTec.flex LTE router dualSIM 2GB 12months monthly	