DiGidot C4 Live
Pixel Controller

Introduction

The DiGidot C4 Live is a multi functional LED pixel controller that converts Art-Net and DMX to SPI protocols. The output capacity goes up to 12 universes, which is 6144 channels. (depending on the license) The internal DHCP server, Wi-Fi and free DiGidot App grant easy access of the built in web interface. A built in network switch allows multiple DiGidot C4 controllers to be daisy chained to create an extensive control network. Countless extra features such as DMX in and out, Art-Net IP Address filter, Art-Net routing, HTP input signal merger, Art-Net & DMX Monitor, in-/output channel repeater, Gamma correction, adjustable fall back color, output limiters, make this product to the most powerful LED pixel controller on the market.

Product images
Wiring schemes (Data)

SPI

DMX in

DMX out

SPI

**IMPORTANT**: All Grounds, from the DiGidot C4 and all power supplies must be connected. The Ground output wires of each Data pair from the DiGidot C4 output must be equal in length as the Data wires.

Wiring schemes (Power)

For more wiring schemes, and technical information, please read the DiGidot C4 user manual.
Specifications

Input voltage 5-24 Vdc
Max. Power consumption 5W
Housing material Self extinguishing Acrylonitril-Butadien-Styreen(ABS)
Dimensions 153 x 74 x 28 mm | 6.02 x 2.91 x 1.10” (L x W x H)
Weight 140gr | 4.93oz
Mounting DIN rail or surface mounted
Operation Temperature (Tc) 0 to 50°C | 32 to 122°F
Ambient Temperature (Ta) 40°C | 104°F
Storage temperature -20 to 50°C | -4 to 122°F
Operating relative humidity 90% (indoor use only)
IP rating IP10
Input Protocols Art-Net 1,2,3 | DMX512 (2 inputs) | DMX RDM (2 inputs) | DiGidot app
Output Protocols Art-Net 1, 2 & 3 (out/through) | DMX512 (2 outputs) |
DMX RDM (2 outputs) | DMX TTL (4 outputs) |
47+ SPI protocols (check supported IC’s list)
Channels 1048 / 4096 / 6144 Art-Net and/or up to 1024 DMX channels
Ethernet RJ45 compatible, for 10/100 Base-TX Ethernet with Static IP address or DHCP
Wi-Fi 10/100 Base Ethernet with static IP address or DHCP
Wi-Fi protocols 802.11 b/g/n (HT20)
Frequency range 2.4 GHz ~ 2.5 GHz (2400M ~ 2483.5M)
TX Power Max. +20 dBm
Antenna On board
WiFi Mode Client + AP
WiFi security WPA, WPA2
Encryption WEP/TKIP/AES
Wiring Max. 2,5 mm2 | 14 AWG
Connectors Power: 5-24 Vdc power jack, Art-Net Data: RJ45 bus,
IO port: 6-pin Input/Output terminal connector
Compliances CE, listed under No. 2016/119-1, cETL US, listed under No. 5010008, RoHs
EN60950-1, EN61006-6-3, EN55032
Supported IC’s

For the various ‘Data’ and ‘Clock+Data’ SPI protocols, following LED Driver IC’s are supported:


For an up to date overview of supported IC’s visit www.digidot.eu.