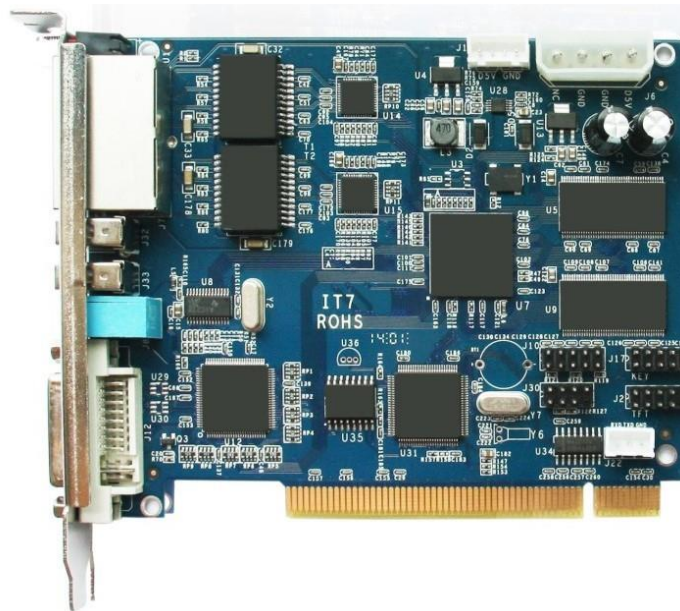


iT7 Sender Card

Overview

iT7 sender card pioneered to integrate the dual-USB interfaces to realize high-speed communication with PC and easy cascading between sender cards.

It supports wide working voltage with DC3.8-12V and has good stability and compatibility with all Colorlight's control cards.



Features

- Support HDMI/DVI signal input
- Support audio input
- Maximum input resolution with 2048*1365 pixels
- Maximum load capacity:1310720 pixels @2048*1365
- 2 gigabit Ethernet outputs, support arbitrary splicing
- Dual USB2.0 for high speed configuration and easy cascading
- Support systematic time encryption

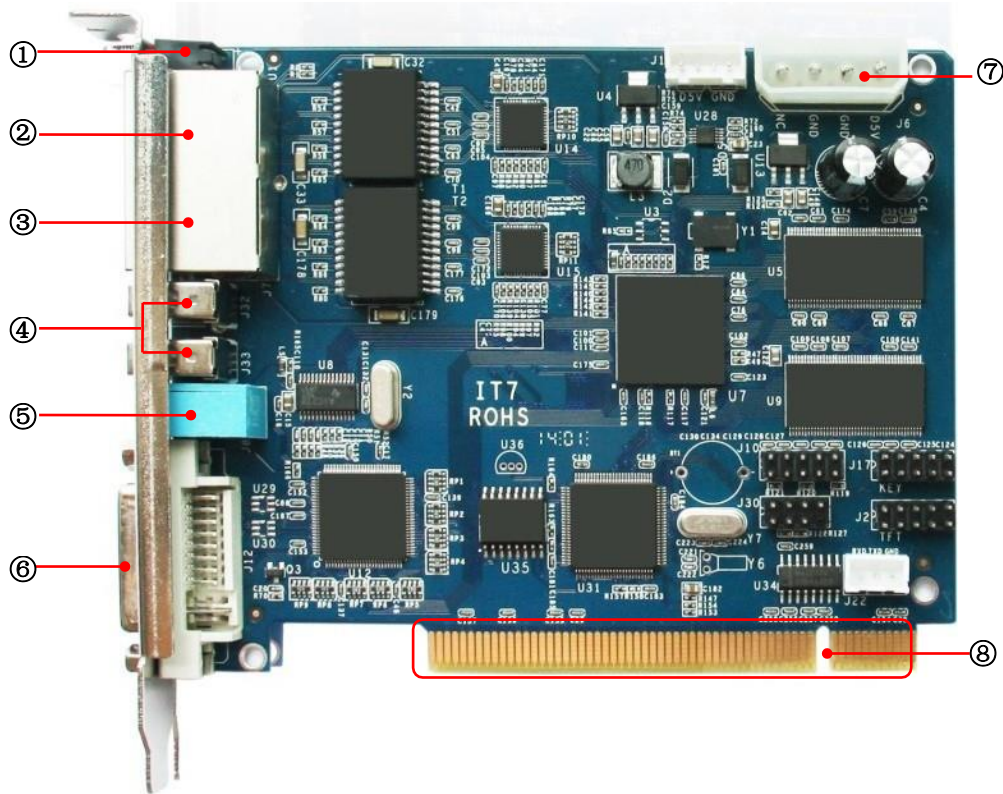
- Wide working voltage with DC3.8-12V
- Advanced design, good quality components, strict aging test, zero-malfunction of final products
- Support standard transmission equipment like gigabit fiber optical transceiver, gigabit switcher for further transmission distance
- Compatible with i5A and 5A series receiver card.
- Internal testing program, support offline testing
- Support brightness adjustment

Specifications

| Video source interfaces | |
|--------------------------------|---|
| Interface type | DVI*1; HDMI*1 |
| Input resolution | 2048*1365 pixels in maximum |
| Auto-adjust resolution | support |
| Video source frame rate | 60Hz, support auto-adjustment |
| Input color | 8bit |
| Output | |
| Net port number | 2 gigabit net ports |
| Control area by port | 1310720pixels@60Hz, each port: 1280*512 (or the same area) |
| Transmission distance | CAT5≤140M ; CAT6≤170M ; NO limitation on optical fiber |
| Cascading | Support arbitrary cascading between net ports |
| Transmission mode | Frame mode, CRC check in addition |
| Connected equipment | |
| Receiver card | 5A series, i5A series, customization cards, etc |
| Peripherals | Multifunction card, optical fiber transceiver, gigabit switcher |
| Specification | |
| Size | 136mm*100mm |
| Input voltage | DC 3.8V-12V |
| Rated power consumption | 6W |
| weight | 100g |

| External interfaces | |
|---|--|
| Configuration interface | USB 2.0*2 |
| Real-time configuration | Gamma, control area, parameters setting |
| Adjustment in brightness and chromaticity | support |
| Smart detection system | Support, temperature, humidity, etc |
| Real-time clock | Internal real-time clock, backup battery, total running time can be calculated, preset working status in order |
| More functions | |
| Cascading | Support |
| Multiple screen control | Multiple screens with different sizes can be controlled at one time |
| Background playing | Support |
| Audio transmission | support |
| BER detection | Net cable quality and malfunction detection |

Hardware



1、 Interface description

| NO. | Interface | functions | Noted |
|-----|-----------------|--|--|
| 1 | indicator light | Indicates the power supply and signal transmission state | red for power , green for signal |
| 2 | Output port A | RJ45 , connect to the receiver card | the control area of port A and B can be separately set |
| 3 | Output port B | RJ45 , connect to the receiver card | |
| 4 | USB 2.0 | For i7 and PC communication or i7 cascade | |
| 5 | Audio input | transmit the audio signal to the multifunction card | Multifunction card needed |
| 6 | DVI input | DVI signal input | |
| 7 | power | Connect DC5V power supply for the sender card | use only one |
| 8 | PCI interface | Insert the i7 into the computer PCI slot, power supply for the sender card | |

2、Indicator Light functions

Red: ON for power available

Green: ON/OFF quick flash (about 5-10 times/second) indicates that the data signal transmission is normal.

3、Figure for receiving card size and hole position

