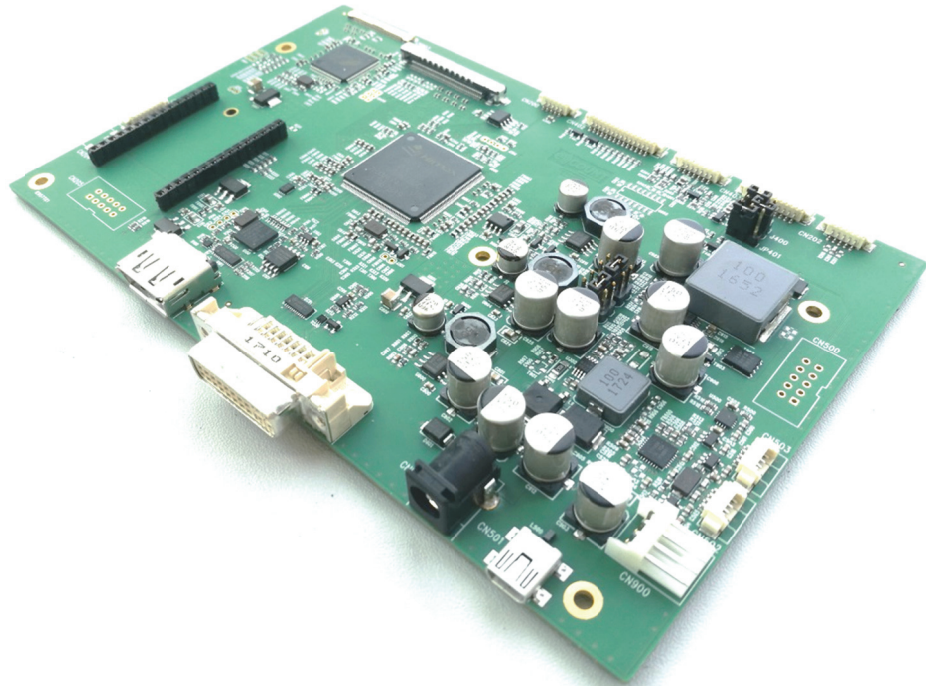
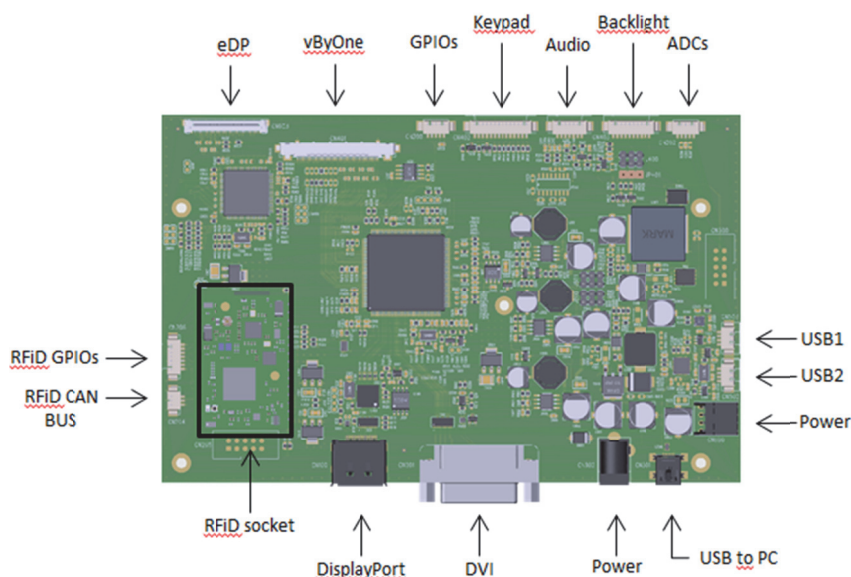




4K-UHD-Flatpanel- Controller

CRTtoLCD-91

- DisplayPort and DVI inputs up to 3840x2160@60Hz
- Supported formats RGB up to 30bit and YCbCr (420/422/444)
- High picture quality due to improved scaling algorithms
- Powerful Software Configuration Tools
- Panel Configuration & Embedded scripting support
- Supports VbyOne and eDP outputs up to 3840x2160@60Hz
- Wide-range power input



Flatpanel Controller

CRTtoLCD-91

Technical Information

DVI Input	DVI/HDMI 2.0 compliant receiver Up to UHD (3840x2160@60Hz)
DisplayPort Input	DisplayPort 1.4 compliant receiver Up to UHD (3840x2160@60Hz)
Picture and Scaling	Highest quality scaling and full zoom & shrink capabilities Image flipping Content Adaptive Backlight Control (CABC) Adaptive multi-angle interpolation
Sound	Stereo sound output (line level) Dolby 7.1 via I ² S up to 192Kbps
Specials	Wide-range power input 12V-24V Flatpanel power up to 8A. Backlight power up to 3.5A Capability of connecting Ambient Light Sensor Multipurpose GPIO's (PWM / I ² C) and analog inputs Embedded scripting engine DDC2Bi / VCP support, HDCP 1.4 / HDCP2.2 compliant Serial-API for accessing various adjuster and functions Serial-OSD to control all OSD functions by software On-Board USB-to-RS232 converter for easy serial access 2x USB2.0 ports for periphery via On-Board USB-Hub
On-Screen-Display	On-Screen-Display (OSD) to control all features via keypad OSD rotation (90° / 180° / 270°)
Display-Interface	VbyOne (8 lanes, 3.75Gbps per lane) eDP1.2a (4 lanes, 5.4Gbps per lane)
Form Factor	179 mm x 114 mm x 13mm (W/D/H)
Optional	Keypad with IR-Receiver and Ambient Light Sensor (ALS) iRFID-M-IOT, HF-RFID and WiFi IoT module Cable-Kits for Flatpanels

Ordering Information

Article	Part.-No.	Description
CRTtoLCD-91	21120E-00-01-01	UHD-4K Flatpanel-Controller with DVI-I, DP and USB inputs, VbyOne and eDP outputs
OSD-Panel-Set 2.0 Flatline	22011E	5-button keypad with dual color LED(r/gr) IR-Receiver, Ambient Light Sensor (ALS) incl. cable