

ICRealttime ella 3-Ch ella Intelligent Search Engine Streaming Box

Model	ella
System	
SoC	Amlogic S905 quad core cortex-A53 processor with 3+2 cores Mali-450 GPU
System Memory	2GB DDR3 SDRAM
Storage	eMMC module socket with 8, 16, 32, or 64GB module by Toshiba or Sandisk + micro SD slot supporting UHS-1 SD cards
Video Output	HDMI 2.0
Connectivity	Gigabit Ethernet (Realtek RTL8211F)
USB	4x USB 2.0 host ports + micro USB OTG port
Expansion Header	40-pin header with GPIO, I2C, UART, and ADC; All I/Os are 3.3V, except ADC that is limited to 1.8V. I2S interface
Debugging	Serial console port (3.3V)
Misc	Status & power LEDs, IR receiver, boot selector, power jumper
Power Supply	5V/2A DC input via 0.8mm/2.5mm power barrel, or micro USB port (selectable via jumper)
Power Consumption	Less than 500mA in most cases, and up to 2A with USB peripherals