Key Specifications

CPU core		ARM1176JZF-S™ CPU @ 324 MHz
Video	Profile	H.264 High profile/level 4.0 decoder MPEG-2 Video Main profile/High level decoder
	Video encoder	Supports PAL/NTSC/SECAM, 7ch Video DAC embedded, Supports Teletext/WSS/PDC/CC/VBID
	Interface	ITU-R BT.656 I/O, digital RGB888 output YPrPb analog HD output
Audio	Type	MPEG-1/2 Layer I/II/III, MPEG-2/4 AAC LC, etc
	Channels	5.1
	Interface	L/Rserial, S/P-DIF
TS processing	Format	MPEG-2 TS standard
	Interface	3 input streams, 1 output stream, Built-in DVB descrambler
	Encryption processing	3DES encryption/decryption
DDR2 memory interface		2 x 16-bit width DDR2-SDRAM667 Supports 256 Mbit to 1 Gbit SDRAM
Flash memory interface		Supports serial flash, NOR flash, NAND flash
Display		5 planes: background (BG), video, cursor, OSD x 2
USB		USB 2.0 high-speed OTG controller
Ethernet		10/100baseT MAC
ATA		Multiword DMA ATA interface (16 Mbps)
HDMI		HDMI 1.2 Link and PHY with HDCP 1.1
UPI		NAND/NOR flash, common interface
Peripherals		UART x 2, Smart card x 2, I^2C x 2, GPIO, PWM, IR Rx/Tx, SPI output
Input clock frequency		27 MHz
Operating clock frequency		Internal: 324 MHz DDR2 memory interface: 324 MHz
Power consumption		1.2 W (typ)
Packaging		484-pin PBGA, 27sq.mm (1.0-mm pitch);
Process technology		90 nm
Operating Voltage		Core: 1.2 V I/O: 3.3 V (partial 5V tolerance) DDR2 memory interface: 1.8 V