

The Teardown - Apple TV 3rd Generation

Less than four inches square and an inch tall (the exact size of the 2nd generation Apple TV), the small but mighty Apple TV 3rd Generation adds the ability to play 1080p HD content.

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Apple TV 3rd Generation

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Toshiba SmartNAND
Toshiba's SmartNAND series integrates leading-edge 24nm process NAND flash technology with a control chip that supports error correction code (ECC). Densities range from 4 to 64 gigabyte (GB)¹. The series is designed to remove the burden of ECC from the host processor.
<http://bit.ly/ECN-toshiba-teardown>

Broadcom BCM4330
The Broadcom BCM4330 single-chip device provides the highest level of integration for a mobile or handheld wireless system, with integrated IEEE 802.11 a/b/g and single-stream 802.11 n (MAC/ baseband/radio), Bluetooth 4.0+HS, and FM radio receiver and transmitter.
<http://bit.ly/ECN-broadcom-teardown>

Smart Mixed-Signal Connectivity's LAN9730
SMSC's single-chip HSIC USB 2.0 to 10/100 ethernet controller has an integrated 10/100 Ethernet MAC with full-duplex support, 10/100 PHY with HP Auto-MDIX support, and USB 2.0 Hi-Speed device controller.
<http://bit.ly/ECN-smso-teardown>

Hynix LP DDR2 SDRAM
2Gb Low Power DDR2 SDRAM for mobile applications using leading edge 40nm class process technology. This product operates at 1,066 Mbps, which is the fastest speed among currently available mobile DRAM solutions and provides designers with high-density mobile memory in small form factor MCP or PoP types. The device operates at a low core voltage of 1.2V and processes up to 4.26GB of data per second with a 32-bit I/O, providing high bandwidth.
<http://bit.ly/ECN-hynix-teardown>



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