MT7620N/A

2T2R 802.11n platform for N300/AC750/AC1200 router and repeater

MediaTek MT7620 family integrates a 2T2R 802.11n Wi-Fi radio, a 580MHz MIPS® 24KEc™ CPU, 5-port fast Ethernet PHY, HNAT, Storage Accelerator, USB2.0 host/device, multiple slow IOs. MT7620A supports PCIe, RGMII for AC750/AC1200 GbE router/repeater products and more peripherals, like NAND, eMMC, SD-XC, I2S/PCM, 2 UARTs and more GPIOs. MT7620N is dedicated N300 solution. MT7620A is for feature rich N300, AC750(+MT7610E)/AC1200(+MT7612E) and audio/storage/IPC extended applications.

Specifications

**CPU & GPU**

**CPU Type:**
MIPS24KEc

**CPU Bit:**
32-bit

**CPU Core:**
Single (1)

**CPU Frequency:**
580/600MHz
Connectivity

IEEE 802.11:
Wi-Fi 4 (n)

Wi-Fi Frequency:
2.4GHz

Antenna:
2T2R

External FEM:
Yes

Ethernet:
5 port Fast Ethernet Switch + RGMII(2)

PCI-Express:
Host/Device

USB:
USB 2.0 Host/Device

Slow I/O:
GPIO, I2C, JTAG, UART(2)

Internal Hardware Features

Network Accelerator:
2Gbps IP4 routing, NAT, NAPT

DRAM:
16b SDR, 16b DDR1, 16b DDR2

Flash:
SPI, SLC NAND

Storage Accelerator:
Yes

Audio Interface:
I2S, PCM

Software

iNIC:
Linux 2.4/2.6 (RGMII, PCI-Express)

OS:
eCos, Linux 2.6.36 SDK, OpenWrt

Bundled Platform

MT7620A:
Full function in TFBGA package

MT7620N:
N300 mainly in DRQFN package