



UDP/IP

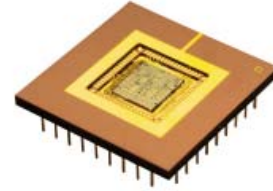
High Speed Ethernet Communication Core

» Transfer rates up to 1 Gbit per second!

"You can do IT fast, faster or RealFast"

RealFast Intellectual Property
Kopparbergsvägen 8
722 13 Västerås
Sweden

Phone: +46 (0)21 4702025
Fax: +46 (0)21 4702125
URL: www.realfast.se
Email: susanna.nordstrom@realfast.se



UDP/IP – High Speed Benefits

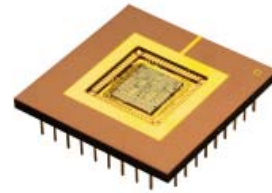
“The solution to Your
communication bottlenecks!”

► Use it for:

- ⊕ High-speed data transfer
- ⊕ Data intensive applications
- ⊕ Sending and receiving UDP packets
- ⊕ Communicate with one or more targets on a LAN
- ⊕ 10/100/1000 Mbit per second transfer rates

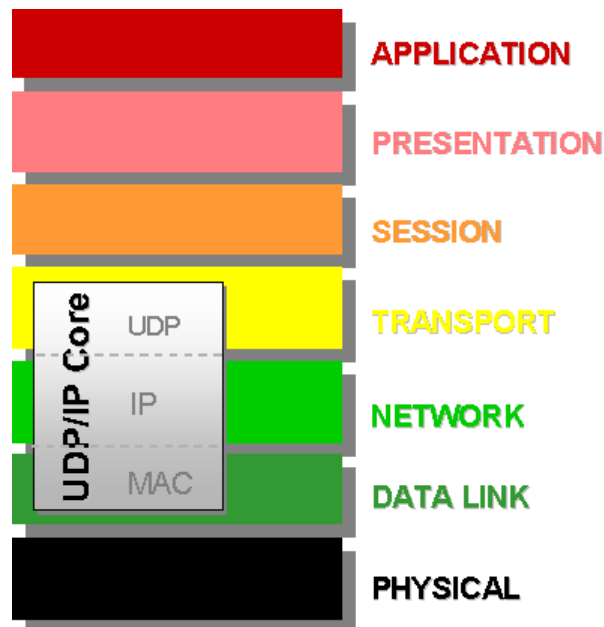
► High speed communication

- ⊕ Implements high-speed communication with one or more PC:s or other UDP/IP cores
- ⊕ Useful when a UART or parallel port is not fast enough to transfer the data
- ⊕ Handles a large amount of data – 1518 byte – in one packet
- ⊕ Very short process time for each packet



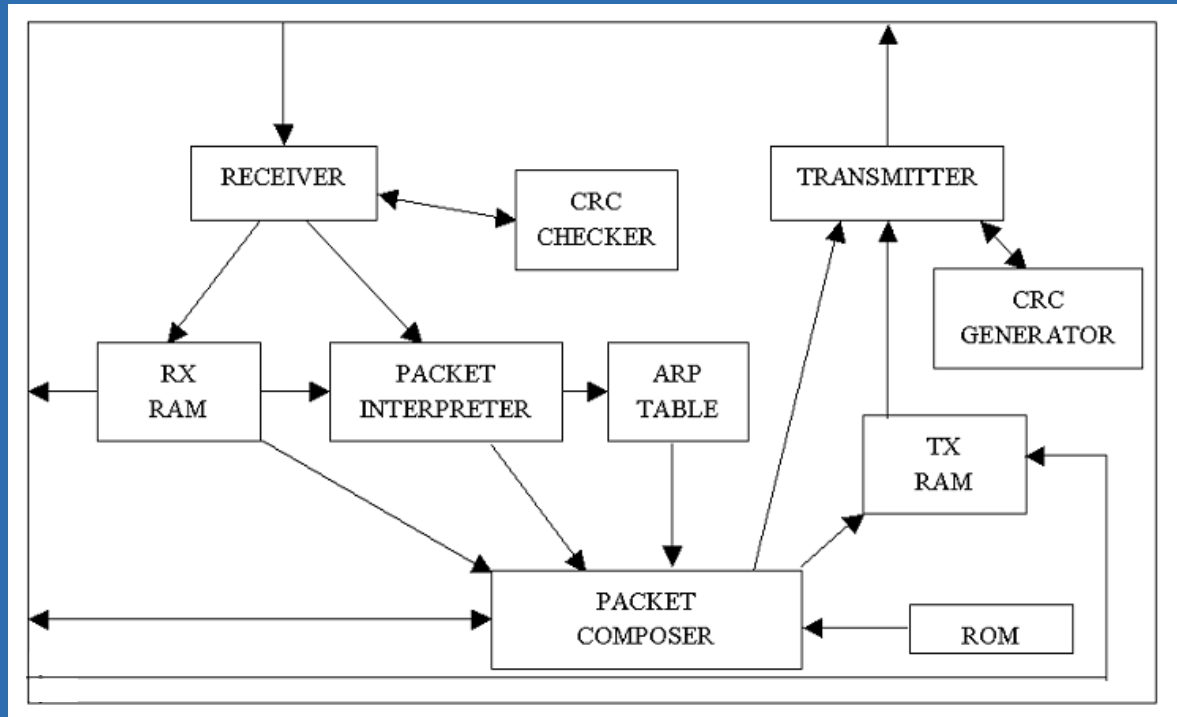
UDP/IP - Features and Benefits

- ⊕ Full duplex operation
- ⊕ Highly configurable
- ⊕ Easy to use
- ⊕ Send and receive UDP-packages over Ethernet
- ⊕ Send and receive ARP broadcast messages
- ⊕ Replies to echo ping-requests
- ⊕ ARP table with 4 entries
- ⊕ Programmable IP/MAC address
- ⊕ Checks CRC32 and UDP checksum on incoming packets
- ⊕ Compatible with standard transceivers



UDP/IP Core placement and functionality
in the OSI layers

UDP/IP Core Block Diagram:



RealFast offers design services
to customize the core for Your application.
RealFast provides other IP cores as well.

Welcome to contact us for more information!

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