

## Afkortingen Computerarchitectuur 1<sup>e</sup> jaar TIN HoGent (2011-2012)

Afkorting	Voluit + Uitleg
b	bit
B	byte (=8bit)
TTL	Transistor Transistor Logic
IHL	IP Header Length
CRC	Cyclic Redundancy Check
ALU	Arithmetic and Logic Unit
RAM	Random Access Memory
ROM	Read Only Memory
IC	Integrated Circuits
GND	ground (0V – aarding)
VCC	Common Collector Voltage (voedingsspanning)
INC	increment
INV	inverteren
CK	clock
WR	write
RD	read
CS	chip select
LIFO	last in first out (stack)
FIFO	first in first out (queue)
SP	stack pointer
RET	return
ARP	address resolution protocol
DNS	Domain Name System / Domain Name Server
I/O	Input / Output
PC	program counter
CU	control unit
ISA	Instructie-Set-Architectuur
IR	instruction register
IE vlag	interrupt enable
PSW	Program Status Word
CISC	complex instruction set computer
FPR	floating point-registers (wetenschappelijke notatie)
SIMD	Single instruction, multiple data
ISA-bus	Industry Standard Architecture
PCI-bus	Peripheral Component Interconnect (Opvolger ISA-bus)
USB	Universal Serial Bus
SATA	Serial-ATA
QTI	Question and Test Interoperability
SCSI	Small Computer System Interface (parallel, spanningsgestuurd)
FSB	front side bus
HDMI	High-Definition Multimedia Interface
DMA	Direct Memory Access
IRQ	interrupt request
ISR	Interrupt Service Routine
APIC	Advanced Programmable Interrupt Controller

BIOS	Basic Input Output System
PS	personal computer
PDA	Personal Digital Assistant
Hz	hertz (1/seconde)(frequentie = 1 : tijd)
UPS	uninterruptible power supply
RJ	register jack (RJ-11; RJ-45)
VGA	Video Graphics Array
OS	Operating System (besturingssysteem)
UI	User Interface
CLI	Command Line Interface
GUI	Graphical User Interface
NOS	Network Operating System (netwerkbesturingssysteem)
FAT	File Allocation Table
NTFS	New Technology File System
HPFS	High Performance File System
ext2	second extended file system
SOHO	Small Office, Home Office
P2P	Peer-to-Peernetwerk (zowel vrager als aanbieder)
DSL	Digital Subscriber Line
ADSL	Asymmetrische DSL
SDSL	Symmetrische DSL
VDSL	Very-high bitrate Digital Subscriber Line
HFC	Hybrid fiber-coaxial (Bv Telenet)
FDDI	Fiber distributed data interface
SONET	Synchronous optical networking
MTU	maximum transmission unit
IEEE	Institute of Electrical and Electronics Engineers (IEEE 802.3 = Ethernet)
BASE	baseband
MAC	Media Access Control (MAC address)
FCS	Frame check sequence
ISP	Internet Service Provider
IM	Instant Messaging
PPP	Point-to-point protocol
TOS	time of service (bij IPv4-header)
LAN	Local area network
WAN	Wide area network
MAN	Metropolitan area network
ISOC	Internet Society
IAB	Internet Architecture Board
IETF	Internet Engineering Task Force
IRTF	Internet Research Task Force
IANA	Internet Assigned Numbers Authority (verdeelt de IP-adressen)
POP	Point of Presence
IAP	Internet Access Provider
IHP	Internet Hosting Provider
IXP	Internet Exchange Point
SLA	Service Level Agreement
RFC	Request for comments
NOC	Network Operations Center
TTL	time to live (In IP-header)

CMTS	Cable modem termination system
DSLAM	Digital subscriber line access multiplexer
UTP	Unshielded Twisted Pair
STP	Shielded Twisted Pair
FTP	Foiled Twisted Pair
TIA	Telecommunications Industry Association
EIA	Electronic Industries Alliance
DHCP	Dynamic Host Configuration Protocol
UDP	User Datagram Protocol
RIR	Regional Internet Registry
ICANN	Internet Corporation for Assigned Names and Numbers
NAT	Network Address Translation
PAT	Port Address Translation
FTP	File Transfer Protocol (poort 21)
SSH	Secure Shell (poort 22)
HTTP	Hypertext Transfer Protocol (poort 80)
TCP	Transmission Control Protocol
POP3	Post Office Protocol 3 (poort 110)
SMTP	Simple Mail Transfer Protocol (poort 25)
IMAP4	Internet Message Access Protocol 4 (poort 143)
RTT	Round Trip Time
TCO	Total cost of ownership
MDB	Multidrop bus
HTT	Hyper-Threading Technology
NMI	Non-maskable interrupt
RMS	Rack Mount Server
AGP	Accelerated Graphics Port
GPL	General Public License

Vragen? Problemen? Typfouten? <http://contact.tendonsie.be>

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