

LIST OF ABBREVIATION

ADSL	–	Asymmetric Digital Subscriber Line
ALU	–	Arithmetic Logic Unit
API	–	Application Programming Interface
ARP	–	Address Resolution Protocol
ASIC	–	Application Specific Integrated Circuit
ASIP	–	Application Specific Instruction Processor
ATM	–	Asynchronous Transfer Mode
bps	–	Bits Per Seconds
CAM	–	Content Addressable Memory
CCU	–	Counter and Control Unit
CIOQ	–	Combined Input/Output Queuing
CLT	–	Compare Look-Up Table
CRC	–	Cyclic Redundancy Check
DM	–	Dedicated Module
DMA	–	Direct Memory Access
DSA	–	Dynamic Scheduling Algorithm
DSL	–	Digital Subscriber Line
FIFO	–	First In First Out
FPGA	–	Field Programmable Gate Array
FSM	–	Finite State Machine
FTP	–	File Transfer Protocol
GB/s	–	Gigabit/second
GMI	–	Gigabit Medium Independent Interface
GPP	–	General-Purpose Processors
HTTP	–	Hyper Text Transfer Protocol
ICMP	–	Internet Control Message Protocol
IDEA	–	International Data Encryption Algorithm
IGMP	–	Internet Group Management Protocol
ILT	–	Instruction Look-Up Table
IP	–	Internet Protocol
IPv6	–	Internet Protocol, version 6
iSLIP	–	iterative SLIP
ISO	–	Industry Standard Organization
LAN	–	Local Area Network
MAC	–	Media Access Control

MISD	—	Multiple Instruction Single Data
MPLS	—	Multi Protocol Label Switching
NIC	—	Network Interface Card
NP	—	Network Processor
NPU	—	Network Processor Unit
OS	—	Operating System
OSI	—	Open Systems Interconnection
PC	—	Program Counter
PHY	—	Physical Layer
PIM	—	Parallel Iterative Matching
PLT	—	Parameter Look-Up Table
PP	—	Protocol Processor
PPP	—	Point-to-Point Protocol
QOS	—	Quality of Service
RARP	—	Reverse Address Resolution Protocol
RISC	—	Reduced Instruction Set Computer
RRM	—	Round Robin Matching
SAR	—	Segmentation And Reassembly
SDH	—	Synchronous Digital Hierarchy
SMTP	—	Simple Mail Transfer Protocol
SOC	—	System On Chip
SONET	—	Synchronous Optical Network
TCAM	—	Ternary Content Addressable memory
TCP	—	Transmission Control Protocol
TTL	—	Time to Live
UDP	—	User Datagram Protocol
VHDL	—	VHSIC Hardware Description Language
VLSI	—	Very Large Scale Integration
VoIP	—	Voice Over IP
VOQ	—	Virtual Output Queue
VPNs	—	Virtual Private Networks
WAP	—	Wireless Access Protocols
WFA	—	Wave Front Arbiter
WRR	—	Weighted Round Robin
XGMII	—	Extended Gigabit Medium Independent Interface