

## Index: Licenses

<b>A</b>	Available subsystems	4
<b>D</b>	Description	5
<b>E</b>	Ex works state	4
<b>H</b>	Hardware serial number	3
<b>K</b>	Key	3, 5
<b>L</b>	License data	
	Activating extra licenses	5
	License serial number	3
	PIN	3
	Serial number	3
	Software license ID	3
	License serial number	3
<b>M</b>	Mask	5
<b>O</b>	Online licensing	3, 5
<b>P</b>	PIN	3
<b>S</b>	Serial Number	5
	Serial number	3, 5
	Software license ID	3



# Index: System

<b>Numerics</b>	1st Event index	28
<b>A</b>	Action	17
	Activity Monitor	7
<b>B</b>	Basic system data	3
<b>C</b>	Central server	13
	Change System Time	36
	CLID	13
	Client IP address	8
	Client UDP port	8
	Compare value	25
	Condition	24
	Contact	4
	Current System Time	36
<b>D</b>	Description	21, 28
	DownAction	15
<b>E</b>	End time	25
	End value	25
	Event protocol	9
	Eventlist condition	29
	Execute command	29
	External Activity Monitor	7
	External system logging	9
<b>F</b>	Facility	10
	FirstIfIndex	15, 18
<b>G</b>	Group	14

<b>H</b>	Hosts	13
<b>I</b>	Index	21, 28
	Index value	23, 30
	Index variable	23, 30
	Interface	17, 29
	Interfaces	13
	Interval	14
	IP address	14
<b>K</b>	Keepalive Monitoring	13
<b>L</b>	LAN	13
	Last change	31
	Level	10
	Local PPP ID (default)	3
	Location	4
	Log host	9, 10
<b>M</b>	Maximum Number of Acctlog Entries	5
	Maximum number of syslog entries	5
	Message level for the syslog table	5
	Method	11
	Mode	28
	Monitored event	22
<b>N</b>	Name/Address	36
	Next index	21
	Notify	31

<b>P</b>	Password settings	33
	Activity Monitor	33
	admin	33
	Ex works state	33
	HTTP server	33
	read	33
	write	33
	Protocol	37
<b>R</b>	Range	16, 18
<b>S</b>	Set value active	30
	Source IP	15
	Start time	25
	Status	26, 31
	Subsystems	9
	Syslog messages	9
	Syslog output on serial console	4
	System name	3
	System time	35
	Accounting	35
	Automatic	35
	Manual	35
	System Time Offset from GMT	36
<b>T</b>	Table	22, 30
	Time and date	35
	Time Update Interval	36
	Timestamp	10
	Trials	14
	Trigger	17
	Type	8, 10, 21
<b>U</b>	Update interval	8
	Update System Time from ISDN	36

<b>V</b>	Value inactive	30
	Variable	22, 30

## Index: External Systems

<b>A</b>	Access Points	3
	Admin. Password	11
	AP MAC Address	8
	Authentisierungsverhandlung	3
<b>C</b>	Calling Party Number	3
	CLID	3
<b>D</b>	Discovery	3
	discovery	7
<b>G</b>	Gateway Address	11
<b>I</b>	Interface	4, 6, 8
	IP Address	10
	IP Status	9
<b>L</b>	Last Change	10
	Last Run	5
<b>N</b>	Netmask	11
	Node Name	10
<b>O</b>	Operation	4, 7, 9
<b>R</b>	Result	5, 10





## Index: Ethernet

<b>A</b>	Advanced settings	15, 21
<b>B</b>	Back Route Verify	15, 16, 17
	Bridging	15
<b>D</b>	DHCP Hostname	13
	DHCP MAC address	13
<b>E</b>	Encapsulation	13, 20
	ETH interfaces	3
	Ethernet unit	3
<b>I</b>	IP accounting	15, 16, 17
	IP configuration	12, 19, 20
<b>L</b>	Local IP number	19
	local IP-Number	12
	Local netmask	19
	local Netmask	12
<b>M</b>	MAC address	14, 19, 20
	Mode	13
<b>P</b>	Proxy ARP	15, 16, 17
<b>R</b>	RIP	15, 16, 17
	V1	17
	V2	17
	RIP receive	17
	RIP send	17
	Route	15
	Routing	16
	Routing table	15

<b>S</b>	Second local IP number	12, 19
	Second local netmask	12, 19
<b>V</b>	Virtual interfaces	18
	VLAN ID	14, 20
<b>W</b>	WAN partner	16

## Index: ISDN

<b>B</b>	B-channel 1	6
	B-channel 2	6
	Bearer	11
<b>D</b>	D-channel	5
<b>I</b>	IPSec	12
	ISDN Login	9, 11
	ISDN switch type	5
	Item	10
<b>L</b>	leased dte, dce	5, 6
	Leased line	5
<b>M</b>	Mode	11
<b>N</b>	Number	11
<b>P</b>	Point to multipoint	5
	Point to point	5
	PPP (routing)	9, 11
	PPP DOVB	12
<b>R</b>	Result of autoconfiguration	4
<b>S</b>	Specify TEI Value	13
	SPID B-channel 1	6
	SPID B-channel 1+2	6
	SPID B-channel 2	6
<b>X</b>	X.31 TEI Service	14
	X.31 TEI Value	13



# Index: Wireless LAN

<b>Numerics</b>	802.11 b/g mixed	16
<b>A</b>	Accept Address	12
	Access Point	4
	Active Probing	5
	AdminStatus	8, 12
<b>C</b>	Channel	4
<b>D</b>	Default Key	9
<b>F</b>	FOUR-X Burst	17
<b>K</b>	Key	10
<b>L</b>	local communication	13
	local IP-Number	13
	local Netmask	13
	Location	4
<b>M</b>	MAC Filter	11
	Maximum Bitrate	16
<b>N</b>	Name is visible	8
	Network Name	8
<b>O</b>	Operation Mode	4
<b>P</b>	Preshared Key	11
<b>S</b>	Second Local IP-Number	13
	Second Local Netmask	14
	Security Mode	9

	SSID	8
<b>T</b>	TX Power (dBm)	17
<b>V</b>	vss	5
<b>W</b>	WEP	6
	Wireless Mode	16
	WPA	6

## Index: ADSL

<b>M</b>	Maximum threshold (kb/s)	4
<b>P</b>	Physical connection established	3
<b>T</b>	Transmit shaping	3





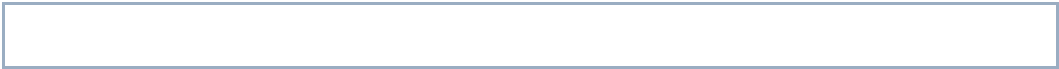
## Index: WAN Partner

<b>A</b>	Advanced settings	46
	Authentication	11
	Authentication negotiation	11
<b>B</b>	Back Route Verification	47
	Back Route Verify	48
	Bandwidth on Demand (BoD)	22
	Basic IP settings	35
	Bridge	53
	Bridging Mode	53
<b>C</b>	Callback	15, 17, 19
	Calling Line Identification	7
	Channel bundling	16, 18
	Closed User Group	33
	Compression	6, 7
	CUG index	33
<b>D</b>	Default route	35, 38, 39
	Delay after connection failure	16
	Delay after connection failure (sec)	17
	Destination IP address	41, 44
	Destination port	45
	Direction	32
	Dynamic Name Server Negotiation	49, 51
<b>E</b>	Enable NAT	37, 39
	Encapsulation	5, 6
	Encryption	6
	Extended interface settings	22
	Extended IP routing	42
	Extended routing	42
<b>F</b>	Flags	39

<b>G</b>	Gateway IP Address	39
	Gateway IP address	41
	Gear down threshold	24
	Gear up threshold	24
<b>I</b>	Idle for dynamic short hold (%)	17
	IP	35
	IP accounting	47, 48
	IP transit network	37
<b>K</b>	Keepalives	12
<b>L</b>	Layer 1 protocol	16, 17, 21
	Line utilization sample (sec)	24
	Line utilization weighting	23
	Link Quality Monitoring	12
	Local IP address	37
	Local PPP ID	11
	Local PPTP VPN IP Address	39
<b>M</b>	Maximum number of dialup channels	25
	Metric	42, 44
	Mode	23, 25, 44
	More routing	39
<b>N</b>	Netmask	41, 44
	Network	41, 42, 43
	Number	31
<b>P</b>	Partner / Interface	41, 44
	Partner IP address	37
	Partner name	3, 5
	Partner PPP ID	11
	PPP password	11
	PPTP VPN Partner's IP Address	38
	Pro	39



Protocol	3, 44
Proxy ARP	47, 49, 50
<b>R</b>	
Remote IP address	38
Remote netmask	38
RIP	46
RIP receive	48, 50
RIP send	48, 50
Route	35
Route announce	47, 49
Route type	41, 43
Routing settings	35
<b>S</b>	
Short hold	15
Source interface	44
Source IP address	44
Source mask	44
Source port	45
Special interface types	19
State	3
Static short hold (sec)	17
<b>T</b>	
TOS mask	44
Total number of channels	18
Type of Service (TOS)	44
<b>U</b>	
Use Gateway	38
<b>V</b>	
Van Jacobson Header Compression via IP Interface	49 38
<b>W</b>	
WAN partner numbers	31



## Index: Security

<b>Numerics</b>		
	3des	44
<b>A</b>	Access restrictions	13
	Action	11, 20, 31
	Admin status	6, 27
	Adminstatus	27
	aes128	44
	aes192	44
	aes256	44
	Alias	32, 34
	arc4	44
<b>B</b>	blowfish	44
<b>C</b>	cast128	44
	Category	9
	Chain	14
	Challenge response	43
	Classification	5
	ClientAliveCountMax	41
	ClientAliveInterval	42
	Compression	39
	Connection state	17
<b>D</b>	Day	10
	Deny Silent	22
	Description	16
	Destination	30
	Destination address	17
	Destination mask	17
	Destination port	18
	Dynamic packet filtering	25

<b>E</b>	Expiring date	6
<b>F</b>	Filter	13, 14, 20
	Filter list	8
	Filtered interfaces	6
	First rule	22
	From	10
	Full filtering	28
<b>H</b>	History entries	7
<b>I</b>	ICMP type	32
	Index	16, 20
	Insert behind Rule	20
	Interface	14, 22, 35, 54
	IP access lists	26
	IP address	34, 54
	IP mask	35
	IP range	34
<b>L</b>	Local filter	27
	Logging level	28, 40
	Login Grace Time	41
<b>M</b>	Mask	54
	Max. # of Clients	38
	md5	45
	md5-96	45
	Mode	34
<b>N</b>	NAT	26
	Network access control	13
	Next rule	20
<b>O</b>	Orange filter ticket	6
	Order	20

	Other inactivity timeout	36
<b>P</b>	Password	43
	Port	33
	Port # used for Connections	38
	PPTP inactivity Timeout	36
	Print LastLog	39
	Print Motd	39
	Priority	11
	Protocol	16, 32
	Protocol version	43
	Public key	43
<b>R</b>	Range	33
	Reporting method	23
	ripemd160	45
	Rule chains	19
<b>S</b>	Safety feature	25
	Service	31, 53
	shal	45
	shal-96	45
	SIF	26
	Source	18, 30
	Source address	17
	Source mask	17
	Source port	17, 18
	Specify Port	17
<b>T</b>	TCP inactivity Timeout	36
	TCP Keepalives	41
	Ticket status	6
	To	11
	TOS mask	18
	Type	17
	Type of Service (TOS)	18

<b>U</b>	UDP inactivity Timeout	36
	URL-based content filtering service	5
<b>V</b>	Verify interface	54
	Verify IP address	53
	Verify reverse mapping	39



## Index: IPsec

### Numerics

1 (768-bit MODP)	36, 65
2 (1024-bit MODP)	36, 65
3DES	32, 45, 60, 73
5 (1536-bit MODP)	37, 65

### A

A	6
abort	101
ACTION	14
Action	8, 49, 50, 55
Admin Status	12
Admin status	15
aggressive	38, 66
aggressive-only	38, 67
AH (Authentication Header)	44, 72
Algorithm	78
Authentication method	58
auto/base64/binary	89
Autosave	81
Available encryption and message hash algorithms	32

### B

Block time	59
Blowfish	32, 45, 60, 73

### C

CA certificate	82
CA certificates	39, 59, 67
CA domain	82
CAST	32, 45, 60, 73
CEA	111
Certificate authority certificates	86
Certname	83
clear config	100
Combination of encryption and message hash algorithms for IKE phase 1	31
Cookies size	97
CRL	39, 67

	CRLs	92
<b>D</b>	default	38, 66
	DES	32, 45, 60, 73
	Description	7, 12, 15, 48, 54, 57, 78, 86, 87
	Description (Idx 0)	41
	Description (Idx 1)	69
	dhcp	9, 50, 56
	Direct ISDN call	17
	DN	84
	DNS	84
	Don't Send Cert Chains	96
	Don't Send Cert Req Payl.	96
	Don't Send CRLs	96
	Don't Send Initial Contact	96
	Don't Send Key Hash Payl.	96
	drop	50
	DSA signatures	37, 65
	dump messages	100
	DynDNS service	17
<b>E</b>	Email	84
	Enable IPsec	4
	ESP (Encapsulated Security Payload)	43, 71
<b>F</b>	Filename	83
	First active rule	6
	Flags	86
	force Comp	45, 73
<b>G</b>	Group	58
<b>H</b>	Heartbeats	42, 58, 70
	host	8, 49, 55
<b>I</b>	ID Protect Mode	21
	id_protect	38, 66

id-protect-only	38, 66
Ignore Cert Req Payloads	95
IKE (Phase 1) defaults	4
Import a certificate/CRL using	88
In	111
Incoming ISDN number	19
Interface IP Settings	17
Interoperability flags	95
IP	84
IP address transfer	21
IPComP	44, 72
IPsec (Phase 2) defaults	4
ISDN callback	19
<b>K</b>	
Kb	64
Key size (bits)	79
Key to enroll	80
<b>L</b>	
Lifetime	41, 58, 69
Lifetime restriction based on	63
Local	110
Type	7, 48, 54
Local Address	12
Local address	5
Local certificate	59
Local ID	59, 109
Local/Remote	
Type	49, 55
LPort	110
<b>M</b>	
M/R	6
Matching policy	64
Max. Symmetric Key Length	97
MD5	45, 73
MD5 (Message Digest #5)	32, 61
Messages	13
Method	81

Method of operation	21
Mode	58
Modifying IKE and IPSec settings	26
MODP	36

<b>N</b> Name	89
Nat-Traversal	31, 59
net	8, 49, 55
no Comp	44, 72
NONE	84
NULL	45, 46, 73, 74

<b>O</b> Oper Status	12
Out	111
Outgoing ISDN number	19
Own certificates	86
own/peer	9, 50, 56

<b>P</b> Packets in	107
pass	50
Password	81
peer	9, 50
Peer address	15
Peer certificates	86
Peer IDs	16
Peers blocked	106
Peers dormant	106
Peers up	106
Phase 1	
Authentication method	37, 65
Group	36, 64
Lifetime	62
Local certificate	39, 67
Local ID	39, 67
Mode	38, 66
NAT Traversal	39
Proposal	31, 60

Phase 2	
Lifetime	46, 74
Proposal	43, 71
PKCS#12 support	89
Please enter certificate data	89
Port	6
Preshared key	16
Preshared keys	37, 65
Profile	49
Propagate PMTU	43, 71
Proposal	6, 41, 58, 69
protect	51
Proto	6
Protocol	7, 48, 54
Pto	110
<b>R</b> RA-Certificate (Encrypt)	85
RA-Certificate (Sign)	85
RADIUS authentication	97
range	9, 50, 56
Registration Authority Certificates	84
Remote	110
Type	8, 48, 54
Remote Address	12
Remote address	6
Remote ID	108
Remote IP	108
Request cert	79
RID	84
Rijndael	32, 45, 60, 73
RipeMD 160	33, 61
RPort	110
RSA encryption	37, 66
RSA Public Exponent	79
RSA signatures	37, 65
<b>S</b> SAs Phase 1	13

SAs phase 1	106
SAs Phase 2	13
SAs phase 2	107
Seconds	63
Serial no.	86
Server	83, 89
Setup Tool Wizard	3
SHA1	45, 73
SHA1 (Secure Hash Algorithm #1)	33, 61
Signing Algorithm to Use	83
skip	101
start (wizard)	101
Start of IKE phase 1 negotiation	21
State of last enrollment	82
Step 1 (NAT settings)	101
Step 2 (creation of proposals)	101
Step 3 (define authentication method)	101
Step 4 (request certificate)	102
Step 5 (own certificate)	102
Step 6 (CA certificate)	102
Step 7 (CRL server / peer certificate)	102
Step 8 (peer)	103
Step 9 (peer traffic / peer interface)	103
Subject Alternative Names	83
Subject Alternative Names – Type	83
Subject Alternative Names – Value	83
Subject Alternative Names (optional)	82
Subject name	82, 86
Sync SAs With Local Ifc	97
<b>T</b> TARSEH	108, 109
The IPsec Wizard step by step	101
Tiger 192	33, 61
Traffic List Settings	17
Trust ICMP Messages	96
Twofish	32, 45, 60, 73
Type	84

	Type of certificate	87, 88
<b>U</b>	URI	84
	Use PFS	41, 46, 69, 74
	Use Zero Cookies	97
<b>V</b>	View proposals	33, 43, 62
	Virtual interface	17
<b>W</b>	What to do?	100





## Index: IP

<b>A</b>	Action	44
	Add Routing Entry	5
	ADDEXT	7
	Address	76, 79
	Administrative Status	68
	Alias Name (Description)	31
	Alive Check (if inactive)	63
	Alive Test Period (seconds, 0=disabled)	50
<b>B</b>	Bandwidth Management	25
	Bandwidth on Demand	25
	Block Time (seconds)	67
	BOD	25
<b>C</b>	Cache Hitrate (%)	82
	Cache Hits	82
	Chain	39
	Client / Server	57
	Connection State	41
	Control all TCP Services	30
<b>D</b>	Default Domain	76
	Default Domains	77
	Default Interface	74
	Default Route distribution	92
	Default User Password	60
	Description	32, 40
	Destination Address	41
	Destination IP Address	6
	Destination Mask	41
	Destination Port	9, 10, 42
	DHCP Assignment	74
	Dialout	63
	Direction	44, 97

	Distribution	97
	Distribution Fraction (in percent)	34
	Distribution Mode	33
	Distribution Policy	33, 34
	Distribution Ratio	33
	DNS	11, 71
	DNS Proxy	11
	DNS Requests	82
	Domain Name	11
	Domain Name Server	11, 71
	Dynamic Cache	75
	DynDNS Registration	83
<b>E</b>	Edit Routing Entry	5
	Encryption (recommended)	67
	Extended Routing	7
	External Address	17
	External Mask	17
	External Port	18
<b>F</b>	Filter	39, 44
	First Rule	46
	Flags	5
	Forwarded Domains	75
	Forwarded Requests	82
<b>G</b>	Garbage Collection Timer	94
	Gateway	50
	Gateway IP Address	7
<b>H</b>	Hold down timer	94
	Host Name	84
	HTTP TCP Port	12
<b>I</b>	Ignore	7
	Index	40, 43
	Insert behind Rule	43

Interface	28, 39, 46, 49, 78, 84, 96
Interface 1 - 3	34
Interface Group ID	33
Internal Address	18
Internal Mask	18
Internal Port	19
Internet Gateway Device (IGD)	21
Invalid DNS Packets	82
IP Address	47, 49, 60, 96
IP Address Pool LAN (DHCP)	49
IP Address Pool WAN (PPP)	47
IPCP Assignment	74
<b>L</b> LAN	7, 38
LAN UPnP client	21
Lease Time (Minutes)	50
Load Balancing	25
Local Nameservers	77
Login Authentication/Authorization	68
<b>M</b> MAC Address	50
Maximum Number of DNS Records	80
Maximum TCP Download Rate (kbits/s)	29
Maximum TTL for Neg Cache Entries	81
Maximum TTL for Pos Cache Entries	81
Metric	7
Metric1 offset on interface dormant	98
Metric1 offset on interface up	97
Minimum Wait	87
Mode	8, 9
MX	85
<b>N</b> Name	76, 77, 79, 86
Name Resolution	71
Negative Cache	73
NetBT Node Type	51
Netmask	6, 96

Network	6
Network Address Translation	14
Next Rule	44
Number of Channels	44
Number of Consecutive Addresses	47, 50
<b>O</b> Optimize Download Rate via TCP ACK prioritisation	28
OSPF	89
Overwrite Global Nameservers	74
<b>P</b> Partner / Interface	7
Password	60, 84
Path	86
Permission	85
Poisoned Reverse	92
Policy	61, 66
Pool ID	47
Port	61, 86
Positive Cache	73
PPP Authentication	68
PPTP Passthrough	14
Primary BOOTP Relay Server	12
Primary Domain Name Server	11
Primary WINS	11
Priority	61, 65, 97
Protocol	9, 16, 40, 60, 87
Provider	85
<b>R</b> RADIUS packets	58
Received DNS Packets	82
Ref	79
Refuse	7
Remote Address	17
Remote CAPI Server TCP Port	12
Remote Mask	17
Remote Port	17
Remote TRACE Server TCP Port	12

Resp	79
Response	76
Retransmission timer	95
Retries	62
RFC 2091 variable timer	93
RFC 2453 variable timer	92
RIP	89
RIP UDP Port	12
Route Timeout	94
Route Type	6
Routing Protocols	89
Rule	39

<b>S</b> Secondary BOOTP Relay Server	12
Secondary Domain Name Server	11
Secondary WINS	11
Server	86
Server Failures	82
Server's IP Address or Hostname	65
Service	16
Service Control Point	21
Silent Deny	14
SNMP	53
SNMP listen UDP port	54
SNMP trap broadcasting	55
SNMP trap community	55
SNMP trap UDP port	55
SNMP versions	54
Source Address	41
Source Interface	9
Source IP Address	9
Source Mask	9, 41
Source Port	9, 10, 41
Specify Port	41
State	62
Static Hosts	74
Status	31

	Successfully Answered Queries	82
<b>T</b>	TACACS+ Accounting	68
	TACACS+ Key (Secret)	66
	TACACS+ Single-Connection	69
	TCP Port	66
	TCP port number for UPnP	23
	TCP Service Port	31
	TDRC Mode	29
	Timeout (ms)	61
	Timeout (seconds)	67
	TOS Mask	9, 42
	TTL	76, 78, 79
	Type	41
	Type of Service (TOS)	9, 42
<b>U</b>	Unique Source IP Address	12
	Universal Plug and Play (UPnP)	21
	Update Timer	94
	UPnP status	22
	User	84
<b>V</b>	Validate	62
<b>W</b>	WAN with transit network	7, 38
	WAN without transit network	7, 38
	Wildcard	85
	WINS	11

## Index: PPP

<b>A</b>	Authentication Negotiation	3
	Authentication Protocol	4
<b>C</b>	Calling party number	3
	CHAP	4
	CLID	3, 5
<b>L</b>	Link Quality Monitoring	5
<b>M</b>	MS-CHAP	4
<b>P</b>	PAP	4
	PPP Link Quality Monitoring	5
	PPPoE Ethernet Interface	6
<b>R</b>	RADIUS	5
	Radius Server Authentication	5





## Index: CREDITS

<b>C</b>	Charges	3
	Credits Based Accounting System	3
<b>I</b>	ISDN Credits	5
	isdnlogin	5
<b>M</b>	Maximum Charge	7
	Maximum Number of Current Incoming Connections	8
	Maximum Number of Current Outgoing Connections	8
	Maximum Number of Incoming Connections	7
	Maximum Number of Outgoing Connections	7, 10
	Maximum Time for Incoming Connections (sec)	7
	Maximum Time for Outgoing Connections (sec)	7, 10
	Measure Time (sec)	6, 9
<b>P</b>	ppp	5
	PPPoE	9
<b>S</b>	Surveillance	6, 9
	Syslog messages	3
<b>X</b>	xDSL	9



## Index: CAPI

<b>C</b>	CAPI	4
<b>N</b>	Name	4
<b>P</b>	Password	4



## Index: ATM

<b>A</b>	ATM Interface	5, 15, 19, 24, 32
	ATM Service Category	33, 34
<b>B</b>	Back Route Verify	11
	Bridging	10
<b>C</b>	CC End-to-End	28
	CC Segment	29
	Client Type	16
<b>D</b>	Description	5, 15, 19
	DHCP Hostname	8, 21
	DHCP MAC address	8, 21
	Direction	28, 29
<b>E</b>	Encapsulation	6, 8, 14, 16, 20
<b>I</b>	IP accounting	11
	IP configuration	7, 13, 14, 21
<b>L</b>	Local IP number	13
	local IP-Number	7, 21
	Local netmask	13
	local Netmask	8, 21
	Loopback End-to-End	27
	Loopback Segment enable	27
<b>M</b>	MAC Address	13
	MAC address	9, 14
	Maximum Burst Size (MBS) in bytes	34
<b>O</b>	OAM flow level	24

<b>P</b>	Peak Cell Rate (PCR) in bits per second	34
	Pending Requests (max)	27, 28
	Proxy ARP	11
<b>R</b>	RIP receive	11
	RIP send	11
<b>S</b>	Second local IP number	8, 13
	Second local netmask	8, 13
	Send Interval (sec)	27
	Sustained Cell Rate (SCR) in bits per second	34
<b>V</b>	VCI	26, 32
	Virtual channel connection (VCC)	25, 32
	Virtual channel identifier (VCI)	6, 16, 20
	Virtual path connection (VPC)	26
	Virtual path identifier (VPI)	5, 16, 20
	VLAN ID	9, 14
	VPI	26, 32

## Index: QoS

<b>A</b>	Action	11
<b>B</b>	Bound Transmit Rate (Shaping)	24
<b>C</b>	Class	23
	Class ID	12, 23
	Class Type	12
	Classification of IP Packets	9
	Congestion Avoidance Algorithm	25
	Connection State	7
<b>D</b>	Description	6
	Destination Address	7
	Destination Mask	7
	Destination Port	8
	Direction	10
	Dropping Algorithm	26
<b>F</b>	Filter	10
<b>I</b>	Index	6, 10
	Insert behind Rule	11
	Interface	18
	IP QoS Classification via	18
<b>L</b>	Lower Queue Threshold (Bytes)	26
<b>M</b>	Maximum Burst Size (Number of Bits)	14
	Maximum Burst Size (Number of Packets)	14
	Maximum Rate (Bits per Second)	14
	Maximum Rate (Packets per Second)	14
	Maximum Transmit Rate (Bits per Second)	22
	MLPPP Fragment Size	19

	MLPPP Interleave Mode	19
<b>N</b>	Next Rule	11
<b>P</b>	Priority	25
	Protocol	6
<b>Q</b>	Queuing and Scheduling Algorithm	20
<b>S</b>	Set Remark Type of Service (TOS) Field	15
	Set Type of Service (TOS) Field	13
	Shaping Algorithm	25
	Source Address	7
	Source Mask	7
	Source Port	7, 8
	Specify Port	7
	Specify ToS Set Exceed Action	14
	Specify ToS Set Rate Limitation	13
	Specify Traffic Shaping	21
<b>T</b>	TOS Mask	8
	Transmit Rate (Bits per Second)	24
	Transmit Rate Burst	24
	Type	7
	Type of Service (TOS)	8
<b>U</b>	Upper Queue Threshold (Bytes)	26
<b>W</b>	Weight	24



## Index: L2TP

<b>D</b>	Data Packets Sequence Numbers	12
<b>H</b>	Hello Interval	12
<b>L</b>	LAC	3, 8
	Layer 2 Tunneling Protocol	3
	LNS	3, 5, 8
	Local Hostname	9
	Local IP Address	9
	Local UDP Port (LAC only)	9
<b>M</b>	Maximum Retry Count	13
	Maximum Time Between Retries	12
	Minimum Time Between Retries	12
<b>P</b>	Port usage for LNS mode	5
	PPP over L2TP (LAC mode)	3
	PPP over L2TP (LNS mode)	3
	Profile Name	8
<b>R</b>	Remote Hostname	11
	Remote IP Address - backup (LAC only)	10
	Remote IP Address (LAC only)	10
	Remote IP addresses through Radius (LAC only)	10
	Remote UDP Port (LAC only)	10
<b>S</b>	SCCRPs	9
	SCCRQs	9
<b>T</b>	Tunnel Password	11
	tunnel profiles	7
<b>U</b>	UDP port number for LNS mode	5



# Index: Configuration Management

<b>B</b>	boot	3
	Boot configuration file	3
<b>C</b>	Configuration information	3
<b>F</b>	Flash	3
	Flash EEPROM	3
<b>N</b>	Name in Flash	4
	New Name in Flash	4
<b>O</b>	Operation	4, 5
	Operations	3
<b>R</b>	RAM	3
<b>S</b>	Start Operation	5
	State of last operation	4
<b>T</b>	TFTP File Name	4
	TFTP Server	3
	TFTP Server IP Address	4
	Type of last operation	4
<b>U</b>	Unix	3
<b>W</b>	Windows	3



## Index: Monitoring and Debugging

<b>A</b>	Active Connections	14
	ADSL	4
	ATM Interface	29
	ATM/OAM	4
<b>C</b>	CEA	27
	Charge	10
	Class	44
	Corrected blocks	39
	Current attenuation	38
	Current noise margin	38
	Current output power	38
	Current status	38
<b>D</b>	Dropped Octets	47
	Dropped Packets	47
	Duration	14
<b>E</b>	End to end	33, 36
	Errored seconds (ES)	38
	EXTENDED	14
<b>F</b>	Framing (LOF)	38
<b>I</b>	In	27
	InOctets	46
	InPkts	46
	Interface	41
	Interface Name	13
	Interfaces	3, 13
	IP QoS	4
	IPSec	4
	ISDN Credits	3, 9
	ISDN Monitor	3, 5

<b>L</b>	Local	26
	Local ID	25
	LPort	26
<b>M</b>	Maximum Transmit Rate	42
	Messages	3, 17
<b>N</b>	Nominal Transmit Rate	41
	Number of Current Connections	10
	Number of Current Incoming Connections	10
	Number of Current Outgoing Connections	10
	Number of Incoming Connections	9
	Number of Outgoing Connections	10, 11
<b>O</b>	OctetsDropped	46
	Octs	45
	Operation	14
	Operational Status	13, 29, 32, 35, 41
	Out	27
	OutOctets	46
	OutPkts	46
	<b>P</b>	
<b>P</b>	Packets in	23
	Peers blocked	22
	Peers dormant	22
	Peers up	22
	Pkts	45
	PktsDropped	46
	Power (LRP)	38
	Pto	26
	<b>Q</b>	
<b>Q</b>	Queued Octets	47
	Queued Packets	47
<b>R</b>		
	<b>R</b>	
<b>R</b>	Received blocks	38
	Received Errors	14, 30

Received Octets	14, 29, 42
Received Packets	13, 42
Remote	26
Remote ID	24
Remote IP	24
RPort	26
RX Rate (Kb/s)	29
<b>S</b> SAs phase 1	22
SAs phase 2	23
Segment	33, 36
Signal (LOS)	38
SSHD	4
START OPERATION	14
<b>T</b> TARSEH	24, 25
TCP/IP	4, 19
Time for Outgoing Connections (sec)	11
Time of Incoming Connections	10
Time of Outgoing Connections	10
Time till end of measure interval (sec)	9, 11
TOS	46
Transmit Discards	30
Transmit Errors	14, 30
Transmit Octets	14, 30, 42, 47
Transmit Packets	14, 42, 47
Transmitted blocks	38
TX Rate (Kb/s)	30
Tx rate (Kb/s)	38
<b>U</b> Uncorrect blocks	39
<b>V</b> Vendor ID	37
Version Number	37
Virtual channel connection (VCC)	34
Virtual path connection (VPC)	31

**X** xDSL Credits

3, 11