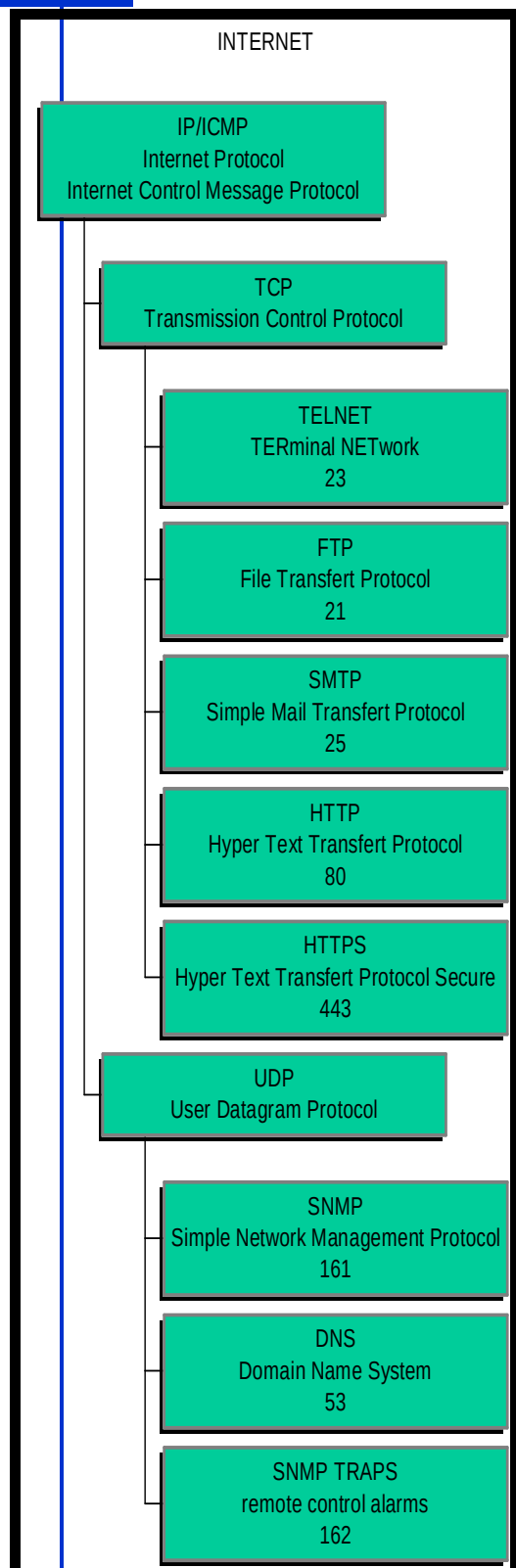


Monitoring Remote Devices

HTTP & SNMP protocol optional SSL

Version 2004



To solve management needs concerning monitoring remote devices accepting serial connector, we have a powerful solution providing an IP access over Ethernet and a setup Web browser interface for all available capabilities in HTTP and SNMP protocols using SSL encapsulation. We developed a generic monitoring agent available for any kind of network elements for which remote control is a necessity. To recognize every part inside a network element, we build a MIB (Management Information Base) : each resources are described as an Object (OID), a specific value to answer a request from the manager. The more standard network protocol : HTTP over TCP using port 80 and SNMP over UDP over port 161.

We created more useful setting to offer a complete management :

- GET : (allowing SNMP manager to collect a value (GetRequest, GetNextRequest))
- SET : allowing SNMP manager to change a value (SetRequest)
- TRAP : allowing agent to send events to SNMP manager (trap-directed polling)
- Mail : fault management, sending information to one or more managers

Technical informations :

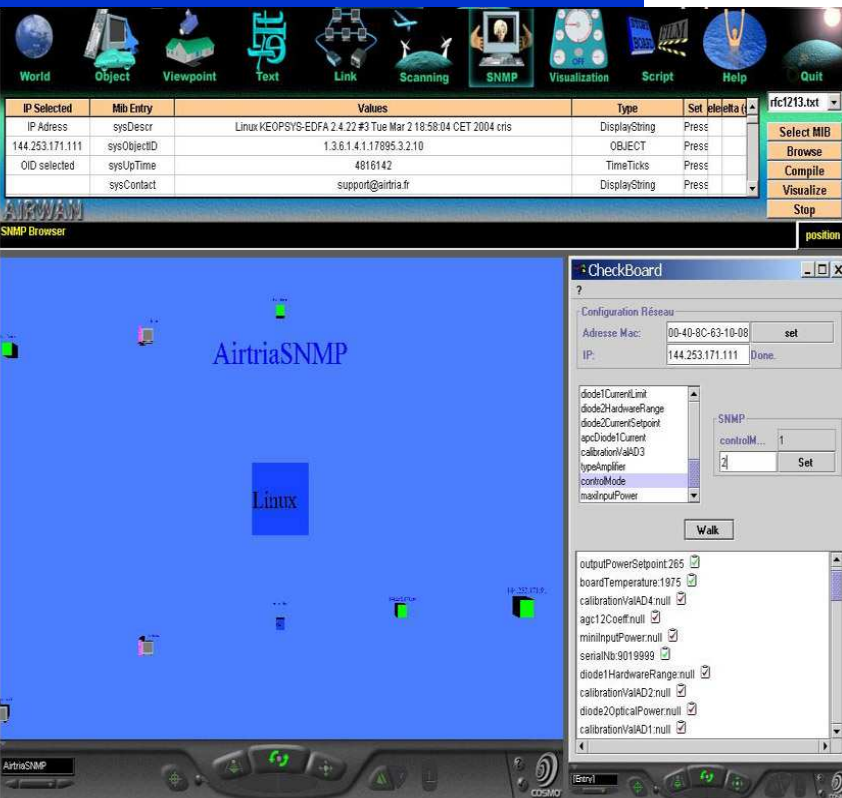
1 100 Mbits Ethernet port and 1 10 Mbits Ethernet port
 2 RS232 Serial ports 115200 bits
 1 RS485/422 serial port supporting 1.8 Mbits
 1 parallel port or general purpose port
 1 USB 1.1 port for memory extension or disk for accounting management, web-cam, WIFI, Bluetooth2 ports Ethernets
 one serial interface for local management
 Auto-test boot and switch to local serial management
 setup with HTTP and HTTPS interface
 battery saving time and date

Management informations :

HTTP and HTTPS based on HTML and CGI
 SNMP Agent V1, V2, V3 compliant
 major functionalities Get, Set, Getnext, Snmpwalk
 SNMP traps and mail fault management
 until 4 different mails address management
 HTTP and HTTPS date management
 HTTP and HTTPS admin password management
 MIB II and proprietary MIB compliant
 Public and private community
 down-loadable proprietary MIB from HTTP and HTTPS
 FTP remote upgrade and update

Optical Stage configuration

Name	Value	Action
Time	16/Feb/2004 13:06:12	
Serial Number	9019999	
Embeded Software Version	D.4-V4.02	
Control Mode	1	Change Value
Diode 1 Temp Set Point	25.00	
Diode 1 Current Set Point	400	Change Value
Diode 1 Current Limit	64	
Diode 2 Temperature Set Point	19.30	
Diode 2 Actual Temperature	15.30	
Diode 2 Current Set Point	102	Change Value
Diode 2 Current Limit	100	
Type Amplifier	15	
Automatic Shutdown Threshold	50	Change Value
Output Power Set Point	26.5	Change Value
Gain Set Point	23.0	Change Value
Apc Diode1 Current	132	Change Value
Alarms	2402	
Laser Diode 2 Temp away from setting	0x0002	
Laser Diode 2 Temp too low	0x0400	
Loss of Input Power	0x2000	



EVOLUTION

- **Guarantee**
Hardware : 12 months
Software : 6 months
including Internet updates
and phones support for
current release

Support : +33 296 058 264

Maintenance

annually to provide upgrades and updates
hot-line mail and Internet support
available to analyze, diagnose and
provide a correction or upgrade
solution



20% rebates if this contract is signed before the end of current 6 months guarantee



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