



COMMUNICATIONS MAKERS

HIPERLINK

Benefits

- Point-to-Multipoint System 2.4 GHz
- WPA2 encryption, WPA or WEP
- Throughput up to 54MB / s
- DFS: Dynamic Frequency Selection
- ACCS: Automatic Clear Channel Selection
- 10/100 Fast Ethernet interfaces
- Protection Degree IP67
- ATPC: Automatic Transmit Power Control
- Radio type OFDM or DSSS
- Capacity NLOS
- drag'n'drop System backup
- Plug'n'Play simple installation
- Turbo mode for high performance
- Stack TCP / IP, flexible configuration
- Diagnostics equipment "on board" or remote
- Upgrade software, monitoring and remote configuration
- Power Over Ethernet (POE) Power Supply 48Vdc or 12Vdc
- Installed with "general authorization"

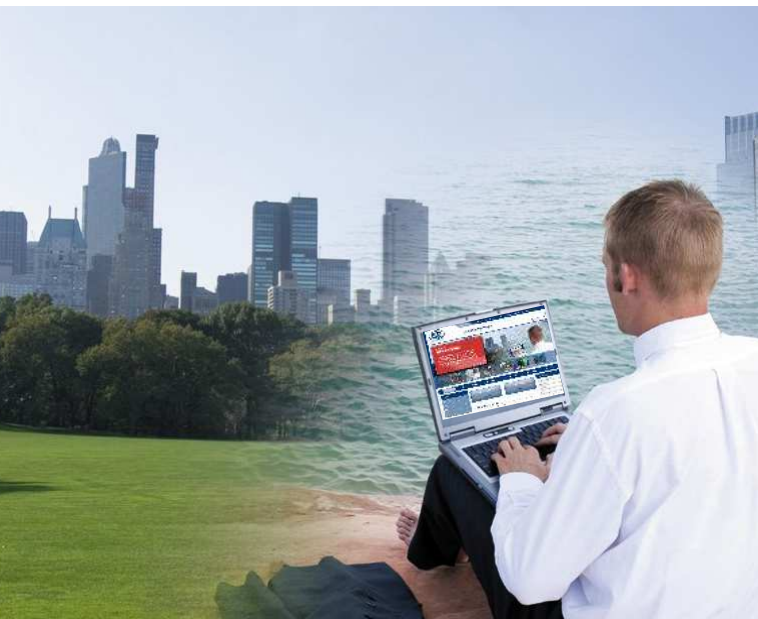
BASE STATION 2.4 GHz

2.4 GHz Point-to-Multipoint Outdoor Wireless



Applications

- Wireless Internet Service Provider - WISP
- Security and Urban video surveillance
- System Integrator
- Carrier
- Private Point-Multipoint Wireless network
- Emergency back up / Disaster Recovery
- Military, Public Administration and University
- Alternative to cable CDN, HDSL or optical fiber



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Description

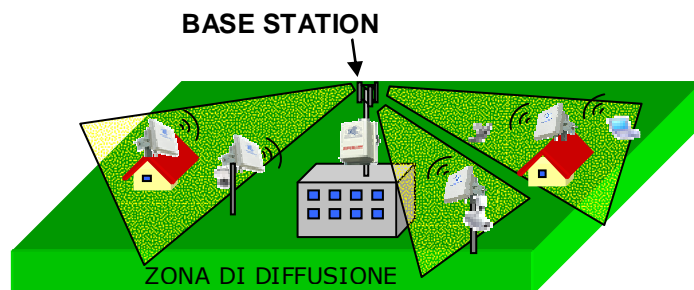
Hiperlink 02 Base Station is a point-to-multipoint outdoor Ethernet, able to cover areas dedicated to wireless connections between devices Subscriber Unit and Base Station itself.

Hiperlink 02 Base Station stands out in four basic configurations, namely with the possibility to accompany the unit from 1 to 4 radio simultaneously.

The Hiperlink 02 Base Station family is completed with the CPE device, Subscriber Unit, also peculiarities of the art.

Hiperlink 02 Base Station is supplied as standard with the Power Over Ethernet power adapter 48V. It is also available in 12V to power through solar cells or batteries.

The robustness of the system and the degree of protection IP67 waterproof equipment, allows you to install such systems in the most difficult environments such as marine, mountains at high altitude or desert areas.



Hiperlink 02 Base Station is widely used in the development of networks for Wireless Internet Service Provider (WISP), security and video surveillance urban Carrier, Military Institutions, Public Administration, University and Disaster Recovery.

The device software provides broad flexibility and allows complete control of both the physical and functional point of view.

Are there features the latest VPN generation, data security, encryption, IP Assignment, Software Update remote and SNMP Agent.

Main features

Operative bandwidth:	2,4-2,5 GHz (also available at 5GHz)
Modulation:	DSSS: DBPSK, DQPSK, CCK OFDM: BPSK, QPSK, 16 QAM, 64 QAM
TX Power:	20 dBm EIRP
Sensitivity:	-91 dBm@ 6 Mbit/s ± 1dB (typ)
RF output:	On 23dB internal antenna and/or on "N"/Fem. 50 Ω connector (to choose in order purchase)
RF Filter:	SICE band-pass filter 5 GHz (optional)
Channel management e Transmit power management:	DFS (Dynamic Frequency Selection), Auto Channel Selection, Radar free TPC function
Standard Ethernet:	802.3 CSMA/CD
Power supply and consumption:	POE 48 V 802.3 af o POE 12 V/24V 11 W
Protection:	Electric circuit for lightning protection
Degree of protection:	Watertight IP67 in die-cast aluminium
Temperature range:	-40°C / + 55°C
Pole support:	For mm 40/70 poles (H and V adjustment).
Dimension:	340 mm x 340 mm x 90 mm
Weigth:	2,9Kg (internal antenna); 4,4 Kg (external antenna)
Bridge:	Multiple bridge interfaces Bridge associations on a per interface basis, Protocol can be selected to be forwarded or discarded MAC address table can be monitored in real time IP address assignment for router access STP Spanning Tree Protocol

Available antennas:	Direttive Grid, Panel o Dish (many gains)
Management and configuration modes:	Telnet, client, Telnet server, MAC Telnet server, SSH, GUI su SSH, http
VPN support:	IPSEC, EoIP, PPP, VLAN, L2TP, PPPoE, IP/IP
IP assignment:	DHCP client, DHCP server
Ethernet port:	Fast Ethernet 10/100 Full Duplex, Autosensing
VLAN:	802.1q, Multiple VLAN interface, inter VLAN routing
Software update, backup and configuration restoring:	By FTP and Drag and Drop directly from system folder
Security:	Association protocol – ESSID
Network Management:	Encryption : WPA2 , WPA, WEP authentication AES-CCM & TKIP Encryption Internal firewall ; INTERNAL ROUTER Peer to Peer protocol limitation MAC-ADDRESS authentication & filtering IP address filtering & protocol filtering RADIUS server Authentication (AAA)
Access protection:	Multilayer users management
Agent SNMP:	SNMP V1 client, MIB II, Bridge MIB
QoS:	802.1p (Layer2 traffic priority) IPToS RFC791 (Layer3 traffic priority) CBQ Queuing Layer 4-7 traffic shaping Hierarchical HTB QoS system with bursts PCQ, RED, SFQ, FIFO queue; CIR, MIR Contention ratios, dynamic client rate equalizing

Apparatus codes

ATH0210 BS	HIPERLINK Base Station 2.4 GHz ; n.1 radio , RF ext. on "N" connector, support bracket and POE power supply
ATH0220 BS	HIPERLINK Base Station 2.4 GHz ; n.2 radio , RF ext. on "N" connector, support bracket and POE power supply
ATH0230 BS	HIPERLINK Base Station 2.4 GHz ; n.3 radio , RF ext. on "N" connector, support bracket and POE power supply
ATH0240 BS	HIPERLINK Base Station 2.4 GHz ; n.4 radio , RF ext. on "N" connector, support bracket and POE power supply



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