

# MAGIC

Telsey's MAGIC allows Broadband Network Operators to easily connect residential customers to their ADSL networks and combines traditional Ethernet 10/100 BaseTX and USB interfaces for the home LAN with an IEEE 802.11b/g wireless access point.

Telsey's MAGIC is intended for the efficient delivery of Fast Internet, Voice over IP services and IP video services.

## KEY FEATURES

- » Integrated ADSL modem
- » Two Ethernet ports and 1 USB port for home LAN with superior layer 3 routing features
- » Integrated IEEE 802.11b/g access point
- » QoS management and Port Mapping
- » Remote manageable and upgradable through integrated web page, Telnet, TFTP, DHCP,SNMP, TR-069

## BENEFITS

- » No external ADSL modem is needed. Multiple user devices (PCs, Set Top Boxes, telephones) can access broadband services through the same DSL lines
- » Service providers can efficiently deliver through existing telephone lines, innovative multimedia services such as VoIP, fast Internet surfing, streaming video, gaming on demand and e-learning within the domestic environment.
- » No external ADSL modem is needed. Multiple user devices (PCs, Set Top Boxes, telephones) can access broadband services through the same DSL lines
- » Provides excellent quality of service into a bundled voice, data and video service environment.
- » Make mass market easy and quick.



\*The 'Wi-Fi CERTIFIED' logo is a certification mark of the Wi-Fi Alliance

Customers enjoy the benefits of having both wireless LAN together with traditional Cat.5 cabling. The wireless access point gives at the same time the possibility to easily manage dozens of remote terminals providing the maximum security through the support of 802.11i.

## TECHNICAL HIGHLIGHTS

## BROADBAND INTERFACE

- modem integrated compliant with:
  - > ANSI T1.413 I2
  - > ITU Automode
  - > G.992.2.G.Lite
  - > G.992.1 Annex A, Annex B - G.dmt
  - > G.992.3 (ADSL2)
  - > G.992.5 (ADSL2+)
  - > Up to 8 PVC UBR, VBR, CBR
  - > LLC/ SNAP for bridged/ routed PDU'S (RFC 2684, RFC 1483)
  - > PPPoE (RFC 2516), PPPoA (RFC 2364)
  - > IpoA
  - > MER (a.k.a. IP over Ethernet over AAL5)
  - > User authentication PAP (RFC 1334) and CHAP (RFC 1994)

## DATA

|                         |   |
|-------------------------|---|
| Domestic LAN Interfaces | > 2 Ethernet ports switch 10/100 BaseT half/full duplex autonegotiating. RJ-45 connectors1<br>> USB 1.1 device port   |
| Layer 3                 | > NAT/PAT (RFC 1631)<br>> RIPv2<br>> Static routing<br>> Firewall   |
| QoS                     | > ATM and IP QoS management support<br>> Port Mapping support between PVCs and Ethernet ports   |
| Other                   | > DHCP client/server      TFTP client      Supports IGMP snooping (RFC 1112)  |
| WLAN                    | > Compliance with IEEE 802.11, IEEE 802.11b, 802.11g available as option<br>> WPA and WiFi certified<br>> Support of QoS mechanism i.e. 802.11e (wme)<br>> 8 Traffic Category levels managed, EDCF low priority and HCF high priority<br>> Support of 802.11i<br>> VoIP over WLAN supported |

## MANAGEMENT

- > Integrated Web Server
- > DHCP Client/ server
- > TFTP client
- > Telnet
- > TR-069
- > Smart card reader

## POWER SUPPLY

- > 12 Vdc +/- 15%, 10 W
- > AC/ DC adapter 230 Vac, 50 Hz or 110 Vac, 60 Hz provided

## PHYSICAL DIMENSIONS

- > Width 190 mm; Depth 140 mm; Height 38 mm.
- > Wall mountable

## ENVIRONMENTAL CONDITIONS

- > Operation temperature: 5 - 50° C
- > Storage temperature: 0 - 70° C
- > Humidity: 85% (non condensing)

**Disclaimer**

All statements, technical information and recommendations contained in this documentation have been carefully checked for reliability; however no responsibility is assumed for inaccuracies. The information contained in this documentation is subject to change without notice.