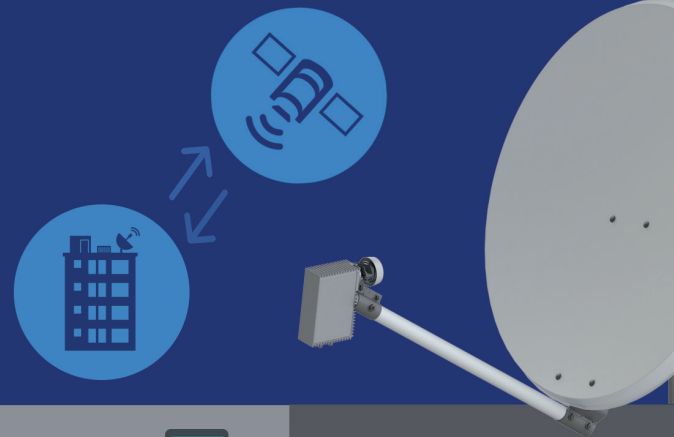
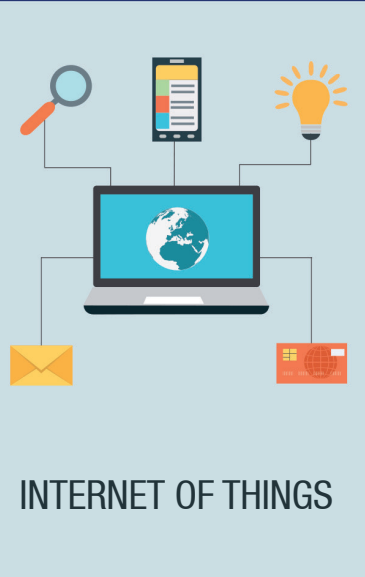


IoT and M2M services via satellite

PUSH VOD · PAY-PER-VIEW · SOCIAL TV  
SECURITY AND SURVEILLANCE · HOME AUTOMATION  
E-HEALTH · SCADA · M2M BACKHAULING

**INTERNET OF THINGS**



**CONNECTED TV**



**SMART HOME**



**SMART INDUSTRY**  
M2M · SCADA

**Egatel**

**viaeutsat**

The 'smart LNB' is the most flexible and versatile two-way satellite terminal in the market, featuring the most advanced technology in satellite transmission. It enables the provision of innovative satellite services at a very low cost (CAPEX & OPEX) for either the Professional (SCADA networks, Energy and Agriculture Industries, Banking transactions, Point of Sales, etc.) or Consumer (Interactive TV, Home automation, e-health, etc.) Market.

The 'smart LNB' satellite connectivity provides the users with a secure and private connection, independent of terrestrial networks with a guaranteed level of service and outstanding SLA. It enables the use of Virtual LANs (VLANs), thus providing network segmentation, reuse of IP addresses and an augmented level of security in the IP data transactions.

The installation and commissioning of the modem is done in a few simple steps following the instructions of a mobile application, available for free for Android and iOS devices.

- High added-value services for the Professional (smart grids, smart metering, telemetry...) and Consumer (home automation, e-Health, connected TV...) markets.
- Very low-cost service thanks to an efficient return link based on Cutting-edge technologies.
- Unbeatable modem price based on a high level of hardware/software integration.
- Private and reliable satellite network with outstanding SLA.
- Built-in VLAN feature to enable network segmentation, reuse of IP address space and increased level of security.
- One single coaxial cable between ODU and IDU. Reuse of buildings existing infrastructure.
- Powerful and friendly Web GUI for management and configuration.
- Mobile application available: (iOS&Android) for antenna pointing and modem commissioning.
- Express and simple installation: From the packet to operation in a few steps.

ODU	
- Two internal LNBS	For reception of signalling, Broadcast and Interactive services
- LNB control	DiSEqC 2.0
- External LNB	External input for connecting an external LNB
- Rx band	Ku (LB: 10.70 - 11.70 GHz   HB: 11.70 - 12.75 GHz)
- Rx polarization	Linear (H/V), independently for each LNB and selectable via Web Interface
- Tx band	Ku (13.75 - 14.5GHz)
- Tx polarization	Linear (H/V), selectable via Web Interface
- Tx max output power (Rms)	27dBm
- Return link modulator	Highly efficient modulator based on a low bit rate and burst transmission
- IP capabilities	VLAN support   DHCP, TCP/IP, UDP, IGMP, GRE, IP Routing, IP Multicast
- Operating temperature range	-20° to +65° C
- Humidity	0 to 100% (condensing)
- Operating voltage	15-30V <sub>DC</sub> - 20W
- Maximum resistance of coax cable	10ohm
- Interfaces:	
- 1x F connector (female)	For connecting to the IDU
- 1x F connector (female)	For connecting to an external LNB
IDU	
- Ethernet over coaxial modem	Home Plug-AV protocol
- IP capabilities	Support of DHCP, TCP/IP, UDP, IGMP, GRE, IP Routing, IP Multicast
- Operating temperature range	-20° to +65° C
- Interfaces:	
- 1x F connector (female)	For connecting to the ODU
- 1x F connector (female)	For connecting to a STB
- 1x RJ-45 port	For connecting to user's LAN
- 1x DC jack	For connecting to the AC/DC adapter
GENERAL	
- Management and configuration	Powerful and friendly Web Interface
- Firmware update	Via Web Interface and OTA update
- Power supply	AC/DC adapter 50/60Hz   100-240V <sub>AC</sub>   30V@2A
ANTENNA	
- Type	Available in two flavours: 75cm and 120cm Ku/Ku antenna



**EGATEL.SL**

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