



LOOKING FORWARD

TS700M PRO/LITE DIGITAL MODEM ROUTER



Technical Specifications

NETWORK FEATURES		HARDWARE FEATURES	
MANAGEMENT	SMS	DB9 MALE SERIAL INTERFACE	2x RS-232 o 1x RS-232 y 1x RS-485*
	SNMP v1/v2	MICRO USB	USB - to - UART Bridge
	SYSLOG / SSH	LAN INTERFACE ETHERNET PORT	1x 10/100 base-T Ethernet port
	Local and Remote – WEBSITE		1x Gigabit*
HERRAMIENTAS DE RED	Port forwarding	SIM CARD CONNECTOR	2x SIM card Slot or 1x e-sim y 1x SIM card Slot*
	Failover	RF CONNECTOR	SMA (female)
	DHCP Server/Client	USB PORT	USB Host 2.0*
	NAT		SIM-1 / SIM-2
	NAT Traversal	CONDITION MONITORING (FRONT PANEL LED)	Error
	DDNS		Connection
	Firewall - SPI		Tx On 1 (PCI Express 1)
	Static Routing		Tx On 1 / Tx On 2
	Dynamic Routing (RIP1/RIP2, OSPF)	POWER	7~48 VDC
	VLAN		Power Consumption - Typical 2.2W
	VRF	BATTERY	LI-ION 3,6VDC
	Loopback interface	DIMENSION	142 x 121 x 50mm
Modo Bridge	FIXATION	DIN rail holder	
VPN TUNNEL	OpenVPN	GABINETE	Aluminum with electrostatic RAL7035 and PVC paint
	IPSEC VPN		IP50 degree of protection
	DMVPN (tecnología propiedad de Cisco)	TEMPERATURE OPERATION	-30 a +70 °C
	GRE	MANUFACTURING STANDARDS	IPC/JEDEC J-STD-020
	Wireguard		IPC/JEDEC J-STD-033

*Refer to the options table for each model.

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PRODUCT FEATURES

LTE UE Cat M1 (1.4MHz)

NB2 (200KHz)

Half-duplex FDD

Single Rx, single antenna

PSM

eDRX

Expanded coverage

SIM Tool Kit 3GPP TS 51.01

VoLTE (expected)

SMS over NAS

Protocol architecture with IPv4 and IPv6 using TCP and UDP

TLS/DTLS

GNSS Opcional (GPS, GLONASS, Beidou, Galileo)

OMA Lightweight M2M (LwM2M)

FOTA (Firware Over-the-Air) Upgrade System

AVAILABLE MODELS

TS700M - M	LTE CAT-M / NB IoT
TS700M - 4	LTE CAT-4
TS700M - M4	LTE CAT-M / NB IoT E CAT-4

CATEGORIES AND BANDS

LTE CAT-4

LTE FDD: B1, 2, 3, 4, 5, 7, 8, 28, 66, (12,17)*

LTE TDD: B40, (38)*

- WCDMA: B1, 2, 3, 4, 5, 8
- GSM: 850, 900, 1800, 1900 MHz

Downlink: 150 Mbps Uplink: 50 Mbps

LTE CAT-M1

LTE: B1, 3, 8, 20, 28, 31, 72, 87, 88, (5/73)*

Downlink: 588 Kbps Uplink: 1 Mbps

LTE CAT-NB IoT

LTE: B1, 3, 8, 20, 28, 31, 72, 87, 88, (5/73)*

Downlink: 120 Kbps Uplink: 160 Kbps

*Optional

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APPLICATIONS

SCADA	Substations
Smart Grid	Smart Metering
Mission Critical Communication	

LIST OF OPTIONS

Batería LI-ION	WIFI – IEEE 802.11 b/g/n
DIN rail adapter	Y Series Cable – DUAL
GNSS	

SOFTWARE FEATURES

Serial Server/Client	Remote firmware update – FOTA
Serial Data Monitoring	Factory Mode Restore
Monitoring Eth Modem Data / Eth Data	Upload/download settings
Micro-controlled reset system	

SUPPORTED PROTOCOLS

HTTP, HTTPS, TCP, UDP, ICMP, BIP, DNP3, SSH, NTP, TUN, TAP, DMZ, SSL, TLS, SIM Toolkit

SYSTEM FEATURES

CPU	MIPS 580 MHz	FLASH	32 MB, SPI Flash
RAM	128 MB, DDR2	OS	Open WRT

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MODEL	PRO	LITE	NOTE
Serial Interface Connector dB9 2x RS232 o 1x RS232 and 1X RS 485	OK	OK	RS485 optional on LITE version
Interface Serial Micro USB	OK	Optional	Maximum 2x series
LAN Interface 1x 10/100	OK	OK	
LAN Interface 1x Gigabit	OK	-	
SIM Connector 1	OK	OK	
SIM 2 connector	OK	OK	
USB Port Host 2.0	OK	Opcional	
LI-ION 18650 Battery	Optional available only on the PRO version	-	
LED (ERR, TX1, SIM1, COM)	OK	OK	
LED (TX2, SIM2)	OK	-	
Interface Serial Conector DB9 – Male	OK	OK	Optional Female Connector