

TRP1FG Series

Specifications



WAN

100/1000Base-SX/LX/BX

- SC Receptacle optical interface
- IEEE 802.3z Gigabit Ethernet

10/100/1000 Base-T option

- Copper, UTP, RJ45 Connector
- IEEE Std 802.3ab

WDM

- 1310/1490/1550 WDM Filter
- Bend insensitive fibre

LAN PORTS

4 x 10/100/1000 Base-T

- Copper, UTP, RJ45 Connector
- IEEE Std 802.3ab

Combo WAN/LAN (5th 1Gbit port)

- 10/100/1000 Base-T
- Copper, UTP, RJ45 connector
- IEEE Std 802.3ab

PoE

- Power over Ethernet, 5th LAN port

CATV UNIT

Input: SMF, SC APC connector.

Output: F type Coax connector, FM.

RF Signal: AGC Ctrl at +80dBuV(typ).

Input Power = -6dBm to +2dBm.

OMI=3.5%.

VOIP

- SIP 2.0 RFC3261
- Voice coding: G.711 a-law/u-law
- Voice Activity Detection (VAD)
- Comfort Noise Generation (CNG)
- Echo Cancellation
- Caller ID
- Adaptive jitter buffer
- RTP voice packet encapsulation
- Call Waiting Indicator
- Message Waiting Indicator
- Fax : G711 Pass-through
- In-Band/Out-Band DTMF Translation

VOICE PORTS

2 x Independent VoIP FXS ports

- RJ-11 connector
- ETSI Standard ES 202971
- Universal ISDN Port - S0
- Copper, RJ-45 connector
- ITU-T I.430 and TBR 3

WIFI - WLAN

IEEE 802.11 b/g/n draft 2.0

- Secure access through WEP (64/128 bit), WPA-PSK or WPA2-PSK.
- Internal antenna

QUALITY OF SERVICE (QoS)

- Four QoS queues per port with strict or weighted fair queuing scheduling.
- Super priority queues for protecting CPU control traffic.
- QoS Control lists for advanced programmable QoS classification.
- QoS classification based on IEEE 802.1p, Ether Type, VID, IPv4 DSCP and UDP/TCP ports and ranges.
- Ingress policer and egress shaper per port with programmable granularity.

SECURITY OPTION - FIREWALL

DHCP offers from the LAN side are blocked from the WAN port in order to prevent unauthorized DHCP servers on the network.

- Optional bridge firewall rules between WAN and LAN interfaces.
- Optional NAT rules (virtual servers).
- Optional port triggering setup.

Operation of firewall may reduce the overall throughput. Throughput is unaffected by NAT.

MANAGEMENT & CONFIGURATION

- Secure remote device configuration.
- Provisioning via TFTP and HTTP(S) allows easy mass deployment.
- Intuitive configuration interface.
- Monitoring via SSH, SysLog, SNMP.
- Automatic firmware and configuration update.
- Factory default on boot.

PROTOCOLS & STANDARDS

- IGMP v1/v2, RFC 1112, RFC 2236
- DiffServ RFC 2474
- IEEE 802.11 b/g/n

STATUS LEDS

Power/status: On / Battery operation

WAN: Link Speed

Phone: Registered / Off-hook

LAN: Link Speed

WiFi: Link Speed / Status

GREEN CHARACTERISTICS

Low Power Design.

ActiPHY™

- Link-Down Power Savings
- PerfectReach™
- Scales power (Cable length)

BATTERY OPERATION

Rechargeable Lithium-Ion Battery

- 11.1V – 1800mAh Typ.
- Battery Supported Phone Operation
- Minimum 3 Hours operation

POWER CHARACTERISTICS

Input 15 VDC, 800mA (peak)

Power Consumption 10W Typ.

AC adapter: 90 – 250VAC, 50/60 Hz

PHYSICAL DIMENSIONS

HxWxD: 40 x 270 x 168mm (CPE)

Weight: 600g

ENVIRONMENTAL SPECS.

Operating Temperature 0°C to 40°C
Storage Temperature -10 °C to 70 °C
Operating Humidity 5% to 85% RH

APPROVALS

CE approved
Safety

- EN 60950
- UL 1950

Emission

- FCC Part 15 Class B Part 68
- EN301489
- EN55022 Class B

Laser safety

- EN60825-1 Class 1 laser product
- EN60825-2 Class 1 laser product

Immunity

- EN55024

RoHS Compliant



TRP1FG Series

VISIPIA

FEATURES	TRP1FG E	TRP1FG	TRP1FG-I	TRP1FG-TV
WAN				
100/1000Base-SX/LX/BX	-	x	x	x
10/100/1000 Base-T	-	o	o	o
WDM Filter	o	o	o	o
CATV				
SMF, SC APC connector (Input)	-	-	-	x
F type Coax connector, female	-	-	-	x
Automatic Gain Control (AGC)	-	-	-	x
LAN				
1Gbit Base-T RJ45 connector	4	4	4	4
5 th 1Gbit port (Combo WAN/LAN)	x	o	o	o
VOIP				
2 x FXS (POTS)	x	x	-	x
1 x FXS (ISDN)	-	-	x	-
SIP	x	x	x	x
Voice Coding G.711	x	x	x	x
Voice Activity Detection (VAD)	x	x	x	x
Comfort Noise Generation (CNG)	x	x	x	x
Line Echo Cancellation (LEC)	x	x	x	x
Echo Cancellation	x	x	x	x
DTMF	x	x	x	x
Caller ID	x	x	x	x
WIRELESS				
IEEE 802.11 b/g/n	o	o	o	o
WEP 64 & 128 Encryption	o	o	o	o
WPA / WPA2 Encryption	o	o	o	o
EXTRAS				
Battery Backup	o	o	o	o
USB 2.0	o	o	o	o
5 th LAN PoE	o	o	o	o
QoS				
802.1q, 802.1p, DSCP	x	x	x	x
Classification and tag rewrite	x	x	x	x
Port based Rate limiting	x	x	x	x
Storm control	x	x	x	x
LAYER 3				
NAT/PAT	x	x	x	x
DHCP Server	x	x	x	x
DHCP Client	x	x	x	x
Local DNS Server	x	x	x	x
LAN Support	x	x	x	x
Ethernet Ports	x	x	x	x
PPPoE	o	o	o	o
Auto Login and Keep-alive	o	o	o	o
Passthrough (WAN ↔ LAN through firewall)	x	x	x	x
Wire speed hardware NAT	x	x	x	x
QoS	x	x	x	x
LAYER 2				
Packet switching	x	x	x	x
Tag based IEEE 802.1Q VLAN's	x	x	x	x
IEEE 802.1Q tag insertion and stripping	x	x	x	x
Traffic type per VLAN (Management, VoIP, Internet NAT)	x	x	x	x
QoS	x	x	x	x

(x)=Standard, (o)=Optional, (-)=Not on this model