



RoHS compliant
Triple Play Router
4 port 10/100 TX with 1 port FX WAN smart triple play router



Introduce:

The Carelink's smart VPN router is an ideally Customer Premises Equipment (CPE) for a FTTH system. The triple player provides the wire-speed for home users and business customers for higher speed data transmission. It supports 100BASE-FX fiber-mode cable connection that runs from the service provider's central office (CO). The Fiber connection can be run up to long distances from the CO. The CPE also provides four standard 10/100BASE-TX RJ-45 Ethernet ports to support customer's PC, switch, or other network devices using twisted-pair cable.

Ordering Information

PART NUMBER	Wavelength	100FX	Distance
CL-TPF-0401 SM20	1310nm	2 core SC fiber	20KM
CL-TPF-0401 SM40	1310nm	2 core SC fiber	40KM
CL-TPF-0401 SM60	1310nm	2 core SC fiber	60KM
CL-TPF-0401 SM80	1310nm	2 core SC fiber	80KM
CL-TPF-0401 SM100	1550nm	2 core SC fiber	100KM
CL-TPF-0401 BX10	1310/1550nm	1 core SC fiber	10KM
CL-TPF-0401 BX20	1310/1550nm	1 core SC fiber	20KM
CL-TPF-0401 BX40	1310/1550nm	1 core SC fiber	40KM
CL-TPF-0401 BX60	1310/1550nm	1 core SC fiber	60KM
CL-TPF-0401 BX80	1310/1550nm	1 core SC fiber	80KM



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Key Features:

High Performance

CL-TPF-0401 provides the wire-speed performance which can outfit for home users and for business customers for higher speed data transmission. It supports hardware NAT, throughput close to line speed of 200Mbps bidirectional traffic.

VLAN and Qos

Support for virtual network VLAN (IEEE 802.1Q VLAN Tagging and Port-based) . CL-TPF-0401 supports up to 16 active VLAN. In this feature, the device allows you to transmit each type of traffic on its virtual network.

The device support s 4 egress queues per port enable differentiated management of up to 4 traffic types. Traffic is prioritized according to port, 802.1p and ToS/DSCP, giving optimal performance to real-time applications such as voice and video.

Bandwidth control

Per port asymmetric bidirectional rate-limiting, preserves network bandwidth and allowing maximum control of network resources.

Multicast Control

IGMP V1/V2/V3 snooping prevents flooding of IP multicast traffic and limits bandwidth intensive video traffic to only the subscribers.

IGMP proxy enables the device to issue IGMP host messages such as join leave a channel on behalf of the hosts behind the CPE under router mode.

Enhanced Security

CL-TPF-0401 supports WAN destination IP filter which only allows administrator with correct IP address range to manage the CPE.

And LAN MAC filter to deny the specific host from access the network in order to built – in firewall to protect computers on the network from Virus attacks.



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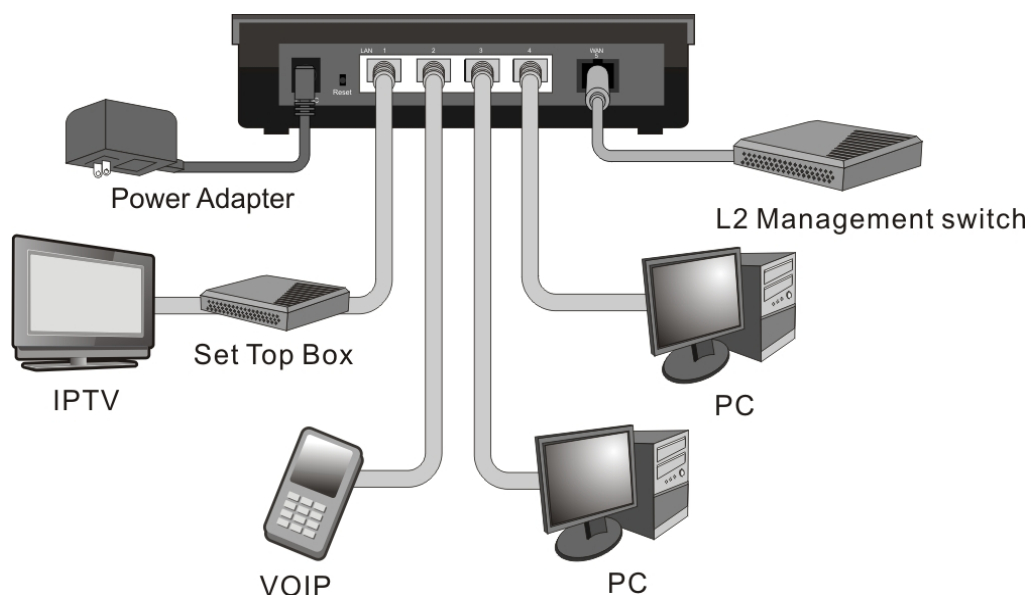
Advance Management

CL-TPF-0401 supports IEEE802.3ah OAM standard. The traditional carrier networks can effectively maintain and troubleshoot broadband Ethernet networks. The device can work with another CO switch with discovery, remote failure indication, link monitor and remote loopback.

Support configuration file back up and download.

Special mode Features: Triple play service

A growing number of service providers offer Triple play video, data and voice to customers. The device integrates router and bridge functions and is capable for this application. Simply connects personal computer to the ports which are under router mode. The DHCP, NAT and firewall function are designed for internet access. The ports which are under bridge mode are designed to connect IP set-top Box or VoIP phone which can manage remotely by service providers. Since the WAN port and LAN ports are both under bridge mode, it provides line – speed performance for application like HDTV- based IP TV.





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Technical Specifications:

WAN	100Base-FX with SC connect - DHCP - PPPoE - Static IP
LAN	4 port 10/100Base-TX with RJ-45 connector (special mode support: 1-2 ports for additional service provider)
Network	Auto-negotiation; Full duplex mode Flow control: 802.3x & Back- pressure Mac address 2K ; IGMP V1/v2 snooping DHCP server; SNTP; VLANs: -IEEE802.1q VLANs -Port base VLAN ; DNS proxy
FireWall	NAT with hardware accelerated VPN pass –through; 4K NAT session DMZ; Port Forwarding IP & MAC filtering
Standards	IEEE 802.3 10BaseT; IEEE 802.3u 100BaseTX/100BaseFX IEEE 802.1q VLAN tagging ; IEEE802.3x Flow control IEEE802.1p CoS, Priority protocol ; IEEE802.1d Transparent Bridging IEEE802.3ah
Data Transfer Rate	Ethernet: 10Mbps/Half-Duplex ; 20Mbps/Full-Duplex Fast Ethernet: 100Mbps/Half-Duplex ; 200Mbps/Full-Duplex
Transmission Media	10BaseT Cat. 3, 4, 5 UTP/STP, up to 100 m 100BaseTX Cat. 5 UTP/STP, up to 100 m; 100BaseFX:
Led Indicators	Per Port: (TX): Link/Act, Speed, FDX/COL (FX): Link/Act, FDX/COL Per Unit: Power
Power Requirement	DC 12V/0.8A
Power Consumption	8 Watts (Max)
Dimensions	47*97*33mm (L x W x H)
Weight	180 g
Operating Temperature	0 to 60°C
Storage Temperature	-20 to 90°C
Humidity	10 to 90% RH (non-condensing)
Certifications	FCC Class A, CE Low Voltage Directive 2006/95/EEC; IEC 6095-1 and EN609501

Note : All information contained in this document is subject to change without notice.