

## RP-PE2402I

### 24-P Ethernet + 2-Gigabit TP/SFP combo L2 Managed PoE Switch



RP-PE2402I supports 24 10/100Mbps

Auto-negotiation, Auto-MDIX Ethernet ports and Power over Ethernet to IEEE 802.3af compliant devices. With the 24-port featuring PoE function, the RP-PE2402I is an ideal solution for wireless AP, VoIP phones, security video cameras. It's fully compliant with the standards of IEEE 802.3/u/x/z/ab/af. It is equipped with 24 UTP (RJ-45) ports and 2 of which are dual media ports that accommodate optional 10/100/1000Base-T or SFP modules. In addition, the switch implements the QoS (Quality of Service), Mac Filtering Policy, Port Mirror, VLAN and full L2 protocol. The overall network management is enhanced and the network efficiency is also improved to accommodate high bandwidth applications with security.

## Feature

- Port Mirroring helps supervisor monitoring network
- Support Q-in-Q(Double-tag)
- IEEE802.1Q tag-base VLAN, 256 active max and port-base VLAN
- IEEE802.1X Access Control improve network security
- IEEE802.1D Compatible, IEEE802.1w Rapid Spanning Tree
- Unknown Unicast/Broadcast/Multicast storm control
- 2 Dual Media for Flexible Fiber Connection
- Support IEEE 802.3af compliant with Endpoint with 48VDC power through RJ-45 pin 1, 2, 3, 6. for PoE Requirement.
- Provides up to 15.4 watts for 12 ports, or up to 7.7 watts for 24 ports
- Support IGMP Snooping

Address : Perpa Ticaret Merkezi, A Blok No.516 Şişli/İstanbul | Tel : +90 212 3204030 | Fax : +90212 3200255 | e-mail : info@telkolink.com

[www.telkolink.com](http://www.telkolink.com)

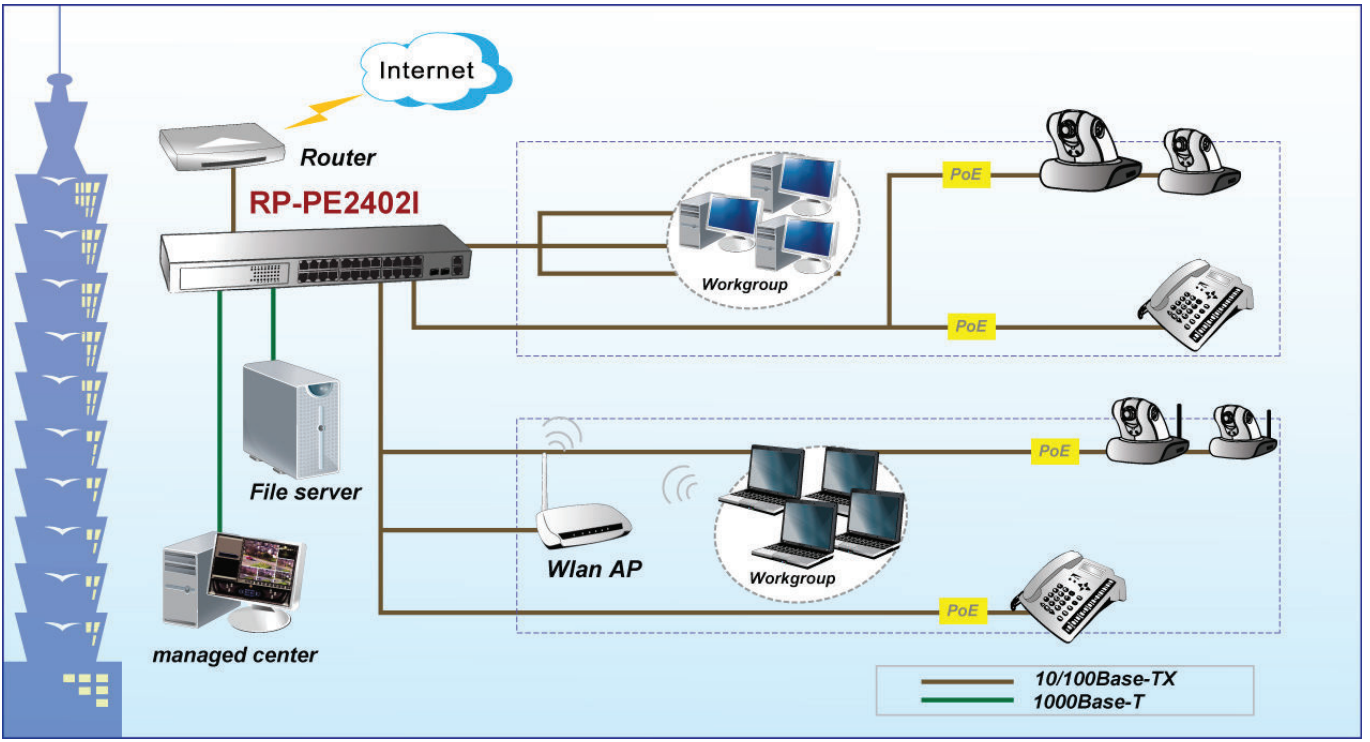
© 2009 telkolink Inc. All rights reserved. Information in this document is subject to change without notice. All company names, logos, and product designs that are trademarks or registered trademarks are the property of their respective owners. 617-000175 Rev. C

## Specification

<b>Standards</b>	<ul style="list-style-type: none"> <li>• IEEE 802.3 10Base-T Ethernet (Twisted-pair Copper)</li> <li>• IEEE 802.3u 100Base-TX Ethernet (Twisted-pair Copper)</li> <li>• IEEE 802.3ab 1000Base-TX Ethernet (Twisted-pair Copper)</li> <li>• IEEE 802.3z 1000Base-X Ethernet</li> <li>• IEEE 802.3x Flow Control Capability</li> <li>• ANSI/IEEE 802.3 Auto-negotiation</li> <li>• IEEE 802.1q VLAN</li> <li>• IEEE 802.1p Class of Service</li> <li>• IEEE 802.1x Access Control</li> <li>• IEEE 802.1d Spanning Tree</li> <li>• IEEE 802.1w Rapid Spanning Tree</li> <li>• IEEE 802.3af Power over Ethernet</li> <li>• IEEE 802.3ad Link Aggregation Control Protocol (LACP)</li> </ul>
<b>Interface</b>	<ul style="list-style-type: none"> <li>• Port 1-24 are 10/100Mbps Fast Ethernet ports.</li> <li>• Port 25,26 are Gigabit TP/SFP Fiber auto sense</li> <li>• Auto-Negotiation and Auto-MDIX</li> <li>• Backpressure flow control for half duplex.</li> <li>• 802.3x flow control for full duplex.</li> <li>• Connector: 24 RJ-45 and 2 dual media, RJ-45/SFP</li> </ul>
<b>Buffer Memory</b>	<ul style="list-style-type: none"> <li>• 256k packet buffer and 128k control memory</li> </ul>
<b>MAC Address</b>	<ul style="list-style-type: none"> <li>• 8 K MAC address</li> </ul>
<b>VLAN</b>	<ul style="list-style-type: none"> <li>• Supports SVL/IVL configuration to meet your VLAN requirement</li> <li>• Port-base VLAN</li> <li>• IEEE802.1q tag-base VLAN, 4094 max, up to 256 active VLANs included static plus dynamic entry</li> <li>• IEEE802.1q tag-base VLAN</li> <li>• Flooding unknown vlan frame setting, can flood packet with some vlan tag associated to a invalid/inactive vlan</li> <li>• In tag-base VLAN, supports egress/ingress packet filter</li> <li>• Q-in-Q is an efficient method for enabling Subscriber Aggregation.</li> </ul>
<b>QoS</b>	<ul style="list-style-type: none"> <li>• Port Based (VIP Port), 802.1p , TOS and Diffserv(IPv4/IPv6) based QoS packet classification</li> <li>• Supports four level priority queues to prioritize in-bound and out-bound traffic</li> <li>• Supports two scheduling, WRR and Strict</li> <li>• Supports priority in a Q-in-Q tag</li> </ul>
<b>Broadcast Storm</b>	<ul style="list-style-type: none"> <li>• Multicast/Broadcast/Unknown-Unicast Storm suppression</li> </ul>
<b>Port Mirroring</b>	<ul style="list-style-type: none"> <li>• Support 1: N RX port mirroring.</li> <li>• Supports port sniffer function with 3 modes: (TX Monitor Mode, RX Monitor Mode and TX-RX pair Monitor Mode)</li> </ul>
<b>Isolated Group</b>	<ul style="list-style-type: none"> <li>• Provide one group allows certain ports to be designated as protected</li> </ul>
<b>Restricted Group</b>	<ul style="list-style-type: none"> <li>• Can decide the direction of transmitting packets for the specific port</li> </ul>
<b>Rate Limit</b>	<ul style="list-style-type: none"> <li>• Ingress rate limit: Port 1~24: 1K up to 100Mbps Port 25, 26: 1K up to 1000Mbps</li> <li>• Egress rate limit: Port 1~24: 1K up to 100Mbps</li> </ul>

	Port 25, 26: 1K up to 1000Mbps
<b>PoE Specification</b>	<ul style="list-style-type: none"> <li>• 24 IEEE802.3af PoE PSE ports</li> <li>• Endpoint with 48VDC power through RJ-45 pin 1, 2, 3, 6.</li> <li>• PoE-PSE activity LED indicator.</li> <li>• 185 watts of total power (up to 15.4 watts for 12 ports, or up to 7.7 watts for 24 ports)</li> <li>• Auto detect powered device and consumption levels</li> <li>• Supports per port power consumption monitoring</li> <li>• Smart feature for PD on/off, PD detection, power level, PD status and power feeding priority</li> <li>• Circuit protection to prevent power interference between ports</li> <li>• Supports per port PoE State setting</li> <li>• Supports per port power priority setting</li> </ul>
<b>LACP</b>	<ul style="list-style-type: none"> <li>• 2 Fast Ethernet +1 Gigabit Ethernet groups</li> <li>• Per-group max 4 members</li> <li>• Provides DA, SA and DA+SA Mac-based trunking with automatic link fail-over</li> </ul>
<b>GVRP/GARP</b>	<ul style="list-style-type: none"> <li>• 802.1q with GVRP/ GARP</li> </ul>
<b>Multicasting</b>	<ul style="list-style-type: none"> <li>• Supports IGMP snooping including active and passive mode</li> </ul>
<b>STP/RSTP</b>	<ul style="list-style-type: none"> <li>• 802.1d/1w</li> </ul>
<b>Network Security</b>	<ul style="list-style-type: none"> <li>• 802.1x access control</li> <li>• Isolated group</li> <li>• Restricted group</li> <li>• Management Access Policy Control</li> <li>• Static MAC, to limit which MAC addresses can pass through or not</li> <li>• MAC addresses learning limit, to set up the maximum amount of MAC that each port can learn</li> </ul>
<b>SNMP agent</b>	<ul style="list-style-type: none"> <li>• Version. 1, 2c</li> <li>• Supports MIB II(RFC1213), RMON MIB(RFC 1757), Bridge MIB (RFC 1493), Ethernet MIB(RFC 1643), Enterprise MIB</li> </ul>
<b>LED Indicators</b>	<ul style="list-style-type: none"> <li>• System LED: CPU/POWER/ACT/FDX/SPD (Green)</li> <li>• Per Port 1 to 24: LNK (Green), ACT/FDX/SPD (Amber)</li> <li>• Per Port 25, 26: LNK/ FX (Green)</li> <li>• Per PoE: PoE-PSE ACT (Green)</li> </ul>
<b>PoE Power Budget</b>	<ul style="list-style-type: none"> <li>• Max. 15W ( in case no PD device connected)</li> <li>• Max. 185W ( with 12 * 15.4W PD device connected )</li> </ul>
<b>Power Supply</b>	<ul style="list-style-type: none"> <li>• Internal Power supply 100~240VAC, 50/60 Hz</li> </ul>
<b>Environment</b>	<ul style="list-style-type: none"> <li>• Operating temperature : 0°C to 40°C</li> <li>• Operating Humidity:5% to 90% (Non-Condensing)</li> </ul>
<b>Dimension</b>	<ul style="list-style-type: none"> <li>• 44 * 442 * 209mm</li> </ul>
<b>Certification</b>	<ul style="list-style-type: none"> <li>• FCC, CE</li> </ul>

## Application



## Ordering information

**RP-PE2402I** 24-P Ethernet + 2-Gigabit TP/SFP combo L2 Managed PoE Switch

Address : Perpa Ticaret Merkezi, A Blok No.516 Şişli/İstanbul | Tel : +90 212 3204030 | Fax : +90212 3200255 | e-mail : info@telkolink.com

[www.telkolink.com](http://www.telkolink.com)

© 2009 telkolink Inc. All rights reserved. Information in this document is subject to change without notice. All company names, logos, and product designs that are trademarks or registered trademarks are the property of their respective owners. 617-000175 Rev. C

**Quality Link Connections**

