Panasonic

Switches Product Information

ZEQUO RE Series

PN36243E/PN36241E

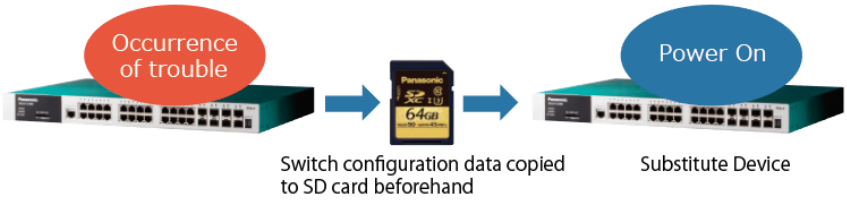
Gigabit Layer 3 Stackable Switches

ZEQUO RE Series offers available network as a core switch.

Rapid switch failure recovery

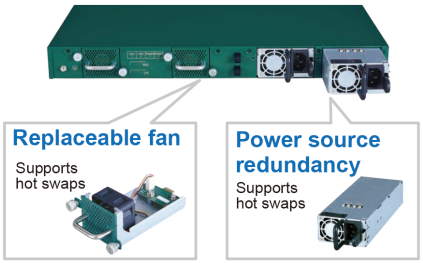
-Boot from a configuration file saved on an SD card

Prompt system recovery is possible without technical knowledge of network switch or PC.
There is no need for configuration tools to set up the replacement switch.



Network resiliency

-Various modules achieve network with no down-time
Replaceable fan and Power souce redundancy



-Stacking (up to 4unit)
Stack connection ports on the front of the device make it easy to plug/unplug stacking cables.

Manageable

-Industry-standard CLI
-Web-based GUI

Appropriate setting method can be selected according to the environment and demand

Lineup

ZEQUO 6700RE (PN36243E)

10/100/1000T ×4 (4 combo)
SFP × 24 (20+4 combo)
SFP+/SFP ×4
Stacking ports ×2

ZEQUO 6600RE (PN36241E)

10/100/1000T ×24 (20 +4 combo)
SFP × 4 (4combo)
SFP+/SFP ×4
Stacking ports ×2

Key Features

Original

・Boot from a configuration file saved on an SD card

・IP address Easy Setup

The IP addresses for Panasonic cameras and switches can be set up together, through a single configuration screen.

・Loop detection breaking and History Functions

If a loop is detected, the relevant ports are shut down to prevent disruption from looped connections. LEDs indicate ports for which loops have occurred within the past 3 days.

・Spanning Tree

- ✓ IEEE 802.1D
  Spanning Tree Protocol,
  Rapid Spanning Tree Protocol
- ✓ IEEE 802.1Q
  Multiple Spanning Tree Protocol

・VLAN

- ✓ IEEE802.1Q
- ✓ Private VLAN
- ✓ Guest VLAN
- ✓ MAC-based VLAN
- ✓ Subnet based VLAN
- ✓ Number of VLAN registrations:
  4,094 (including default)
- ✓ Asymmetric VLAN
- ✓ Voice VLAN

・Trunking

- ✓ Link Aggregation function
  (LACP/Manual)
- ✓ Up to 48 groups can be created
  (up to 8 ports per group).

・Port Monitoring

- ✓ Traffic of the target port can be copied to the specified port and transmitted.
  (Two or more target ports can be specified.)
- ✓ RSPAN

・Multicast

- ✓ IGMP Snooping function
  (IGMP v1/v2/v3)
  Maximum group number : 4,096
  Number of Static registrations : 128
- ✓ MLD snooping function
  (MLDv2)
  Maximum group number : 2,048
  Number of Static registrations : 128

・QoS

- ✓ IEEE802.1p
  8 levels of Priority Queue
- ✓ Scheduling Method:
  -Strict Priority Queuing
  (SPQ: Strict priority queuing)
  -Weighted Round Robin
  (WRR: Weighted round robin)
  -Weighted Deficit Round Robin
  (WDRR: Weighted Deficit Round Robin)

・Authentication Function

- ✓ Web-based authentication
- ✓ IEEE802.1X Port-based authentication
- ✓ Web-based authentication,
  Mac-based authentication
  using IEEE 802.1X
- ✓ Web-based authentication, Dynamic VLAN function
  using IEEE 802.1X
- ✓ Guest VLAN using IEEE 802.1X
  EAP-MD5/TLS/PEAP authentication method

・Fan control

- ✓ Automatic adjustment of fan rotation speed according to usage environment

・Access Control

- ✓ Access control can be controlled by the following parameters:
  (1) IP address
  (Source or Destination)
  (2) MAC address
  (Source or Destination)
  (3) TCP/UDP port number
  (Source or Destination)
  (4) VLAN ID
  (5) IEEE 802.1p Priority
  (6) DSCP
  (7) Protocol
  (8) ICMP type
  (9) TCP SYN Flag

・Ring redundant protocol

- ✓ Redundancy is enabled by ring topology.
  (Up to 8 group can be registered.)

・IP interface

- ✓ IP interface : 256 max.
- ✓ Multiple IP addresses :
  256 / Interface

・IPv4 routing

- ✓ Static
- ✓ RIP v1/v2
- ✓ OSPF v2 (maximum number of Neighbor : 200, 32 when device is stacking)
- ✓ Policy-based routing

・IPv6 routing

- ✓ Static
- ✓ OSPF v3 (maximum number of Neighbor : 32)

・Routing table

- ✓ Static : 256 (IPv4) ,128 (IPv6)
- ✓ Dynamic : 12K (IPv4) ,6K (IPv6)

・IP forwarding

- ✓ 95 M bps max

・VRRP

- ✓ Maximum number of virtual router : 256

・Multicast routing

- ✓ IGMPv1/v2/v3
  Maximum group number : 4,096
  Number of Static registrations : 1,024
- ✓ MLD v1/v2
  Maximum group number : 2,048
- ✓ DVMRP v3
  Maximum number of Neighbor : 100
  Routing table size : 4,096
- ✓ PIM Dense mode (IPv4)
  Maximum number of Neighbor : 100
- ✓ PIM Sparse mode (IPv4/v6)
  Maximum number of Neighbor : 100
  Routing table size : 4,096 (IPv4)
  2,048 (IPv6)
- ✓ PIM Sparse-Dense mode (IPv4)
- ✓ PIM-SSM (IPv4)
  Maximum number of multicast forwarding packets : 4,096
  (shared by IPv4/v6)

・DHCPv4 server

- ✓ Allocatable IP address : 1,024/pool
- ✓ Max. pool : 10
- ✓ Max. manual binding address : 16

・DHCPv6 server

- ✓ Allocatable IP address : 4,096
  (shared by all pools)
- ✓ Max. pool : 16
- ✓ Max. manual binding address : 64

・DHCP relay

- ✓ DHCP Option : 60, 61, 82
- ✓ DHCP v6 Option :18,37
- ✓ Supported local relay

・Industry-standard CLI

Product Name (Prodct No.)	10/100/1000T	SFP	SFP/SFP+	Stacking Port	Size(H×W×D)	Fan	Operation Temp
ZEQUO 6700RE (PN36243E)	4 (4 combo)	24	4	2	44×440×312mm	Yes	0-45℃
ZEQUO 6600RE (PN36241E)	24 (20 + 4 combo)	4	4	2	44×440×312mm	Yes	0-45℃

Interface

Twisted pair port:
RJ45 connector

Transmitting and receiving network system :
IEEE802.3 10BASE-T
IEEE802.3u 100BASE-TX
IEEE802.3ab 1000BASE-T

SFP/SFP+ extension slot:
SFF-8472
(DMI:Diagnostic Monitoring Interface)

Switching mode

Packet transfer capability:Non-blocking
Max 14,880pps/port(10Mbps)
Max 148,800pps/port(100Mbps)
Max 1,488,000pps/port(1000Mbps)

MAC Address table :Max 96K entry/unit

Buffer memory: 4M Byte/unit

Software Specifications

Agent:

Management protocol :
SNMP v1/v2c/v3
(RFC1157,RFC1901,RFC 1908,
RFC 2570, RFC 2575)
TELNET(RFC854)
SSH v2 (RFC4250,RFC4251, RFC4252,
RFC4253,RFC4254)

Data transfer protocol :
TFTP (RFC783)

Supported MIB:
RFC1213-MIB (MIBII) (RFC 1213)
BRIDGE- MIB (RFC 4188)
SNMPv2-MIB (RFC 1907)
RMON-MIB (RFC 2819)
RMON2-MIB (RFC 2021)
EtherLike-MIB (RFC 2665)
MAU-MIB (RFC 4836)
P-BRIDGE- MIB (RFC 4363)
IF-MIB (RFC 2863)
RADIUS-AUTH-CLIENT-MIB (RFC 2618)
MGMD-STD- MIB (RFC 5519)
RIPv2-MIB (RFC 1724)
IP-FORWARD-MIB (RFC 4292)
IPMROUTE-STD-MIB (RFC 2932)
PIM-MIB (RFC 2934)
RADIUS-ACC-CLIENT-MIB (RFC 2620)
DISMAN-PING-MIB (RFC 2925)
DISMAN-TRACEROUTE-MIB (RFC 2925)
OSPF-MIB (RFC 1850)
VRRP-MIB (RFC 2787)
ENTITY-MIB (RFC 2737)
IPV6-MIB (RFC 4293)

System log:
Maximum number to be kept:10,000
System log transfer (IPv4/IPv6)

Others:
Syslog Client
(Transfers system logs to the Syslog server.)
TFTP Client
(Upgrades the software and saves/loads configuration information.)
TELNET Client
DHCP Client
SNTP
LLDP
LLDP-MED
DNS relay
DNS Resolver
DHCP Snooping

Rated

Power supply:
AC100-240V, 50/60Hz, 2.0A(with a built-in power supply)

Environmental Conditions

EMC compliance:
CISPR 32 Class A
EN 55022 Class A
AS/NZS CISPR32 Class A
VCCI Class A
EN 61000-3-2, EN 61000-3-3
CISPR 24
EN 55024
IEC 61000-4-2, IEC 61000-4-3,
IEC 61000-4-4, IEC 61000-4-5,
IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11

Safety compliance:
IEC 60950-1
EN 60950-1

Environment compliance:
RoHS compliant

Operation environment

Temperature: 0 - 45℃
Humidity: 20 - 80%RH (no condensation)

Optional Accessories

1000BASE-SX SFP Module (PN54021K)
1000BASE-LX SFP Module (PN54023K)

10GBASE-SR SFP+ Module (PN59021)
10GBASE-LR SFP+ Module (PN59023)

RP02-200W Module (70002)
FAN02 Module (PN73002)