

TERMS OF REFERENCE FOR THE PROCUREMENT OF 48-PORTS NETWORK SWITCH

The Philippine Ports Authority (PPA) requires suitably qualified and experienced suppliers to submit proposals for provision of 48 Ports Network Switch

1. 48 Ports Network Switch

Provision of ten (10) Units 48 Ports Network Switches

2. TECHNICAL SPECIFICATIONS

Ports: 44 RJ-45 10/100/1000 ports (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX, IEEE 802.3ab 1000Base-T Gigabit Ethernet), 1-RS-232C DB-9 console port, 4 dual-personality ports—each port can be used as either an RJ-45 10/100/1000 port or an open mini-GBIC slot (for use with mini-GBIC transceivers)

Memory and processor: Flash capacity: 16 MB

Mounting: Mounts in an EIA-standard 19 in. telco rack or equipment cabinet (hardware included); horizontal surface mounting only

Performance

Latency <11.8 μ s (FIFO)
Throughput Up to 71.4 mpps
Switching capacity 96 Gbps
Address table size 16,000 entries

Management: Unit Manager Included with the unit, command line interface; Web browser; configuration menu; out-of-band management (serial RS-232C)

Standards and Protocols: RFC 783 TFTP; RFC 951 BootP; RFC 1542 BootP; RFC 854 Telnet; RFC 768 UDP; RFC 792 ICMP; RFC 793 TCP; RFC 826 ARP; RFC 2030 Simple Network Time Protocol; IEEE 802.3x Flow Control; DHCP Relay; RFC 3376 IGMPv1/v2/v3; IEEE 802.1D Spanning Tree; IEEE 802.1w Rapid Convergence Spanning Tree; IEEE 802.3ad Link Aggregation Control Protocol; Cisco Fast EtherChannel® (FEC); RFC 1492 TACACS+; RFC 2138 RADIUS; RFC 2866 RADIUS accounting; SSHv2 Secure Shell; Secure Sockets Layer (SSL); IEEE 802.1X Network Login; Bridge MIB; IEEE 802.1Q VLANs; IEEE 802.1Q VLAN tagging; IEEE 802.1Q GVRP; IEEE 802.1p Priority; SNMPv1/v2c/v3; Cisco Discovery Protocol (CDP); HTML and telnet management; RFC 1493 Bridge MIB; RFC 1213 MIB II; RFC 2096 IP Forwarding Table MIB; RFC 2737 Entity MIB; RFC 2863 Evolution of Interface; RFC 2665 Ethernet MIB; RFC 2819 Four groups of RMON: 1 (statistics), 3 (alarm), and 9 (events); XRMON; RFC 2021 RMON probe configuration (RMON v2); RFC 2668 802.3 MAU MIB; RFC 2613 SMON; RFC 2674 802.1p and IEEE 802.1Q Bridge MIB; RFC 2618 RADIUS Client MIB; RFC 2620 RADIUS Accounting MIB

3. PROJECT DELIVERY

The units shall be delivered within thirty (30) days upon receipt of Purchase Order

4. BUDGET

The budget for ten (10) units 48-Ports Network Switch is Six Hundred Thousand Pesos (P 600,000.00) inclusive of 12% VAT.

5. SOURCE OF FUNDING

The budget for the 48-Ports Network Switch is to be sourced from PPA Corporate Funds