

# AYAC

MILITARY ROUTING AND SWITCHING EQUIPMENT



**3.2 Gbps**  
SWITCHING FABRIC  
**19"**  
DIMENSIONS  
**2U**  
HEIGHT



# AYAC

## MILITARY ROUTING AND SWITCHING EQUIPMENT

AYAC is a new compact and rugged equipment enabling both Routing and Switching functions in 21st century's battlefield environment.

AYAC offers state of the art routing and switching functionalities, therefore it can be used as a standard routing and switching equipment. Additionally, AYAC contains new functionalities in terms of ease of management in tactical area and dongle usage: Each port can be configured as a NAT port. Hosts connected to NAT port may have any IP addresses that may be the same with the other hosts. AYAC advertise NAT port IP addresses instead of host IP addresses. NAT port IP addresses are pre-configured which is known by management software.

This makes AYAC suitable for tactical area networking needs. More than one host having the same IP addresses can be connected to AYAC resulting in ease of use in the tactical field. There will be no need to configure IP addresses of host devices.

Through the use of a dongle, which is pre-configured by a simple configuration program, there will be no need for the user to configure AYAC and/or hosts connected to AYAC. Dongle contains all configuration data which can be reloaded by using Dongle Configuration Software.

### Technical Features

#### General

- Standard : IPv4
- Routing Protocol : OSPFv2 (compatible with CIDR, VLSM)
- Switching Tech. : Store and Forward
- Switching Fabric : 3.2 Gbps

#### Remote Control

- Remote Protocol : SNMP V.3, Web-Based (HTML)
- Remote Interface : 10/100 Mbps Ethernet (IEEE 802.3)

#### Power

- Source : AC and DC uninterrupted automatic changeover
- Input : 200-240VAC 50Hz  $\pm$  5%, 19-32 VDC
- Safety : Circuit Breakers, Protection Circuits

#### Maintenance

- BITE : Yes
- Loop Tests : Yes

#### Security

- Web-Access Control : Password Protection
- SNMP Security : V.3

#### Mechanical

- Dimensions : 19" Rack Mountable
- Height : 2U

#### Environmental

- Standard : MIL-STD-810F
- Temperature : -20C°/+60C° (operating)  
-40C°/+70C° (storage)
- Humidity : 95%
- Max. Altitude : 3000m
- EMI/RFI : Comply with MIL-STD-461E

#### Interfaces

- IEEE 802.3 : 24 X 10/100 Base-T, Auto-Negotiation
- USB : 1 X Dongle Connection
- GPS : 1 X GPS

#### Port Configuration

- Switching / DHCP : For host (DHCP client) connection.
- Switching / NAT : For host (not DHCP client) connection.
- Routing Port : For connecting to other AYAC or COTS router.

#### Optional Accessories and Tools

- USB Dongle, Dongle Configuration Software.