iES-6
Ruggedized Ethernet Switch

Highlights

- (6) Tri-Speed Ports w/ Layer 2/3 Switch Management
- IRIG-A/B/G Time Code Generator
- (1) IRIG DC Input, (2) IRIG DC/1PPS Outputs & (2) IRIG AM Outputs
- (1-4) Hardware IEEE-1588v2 Clocks
- Programmable Discrete Inputs/Outputs

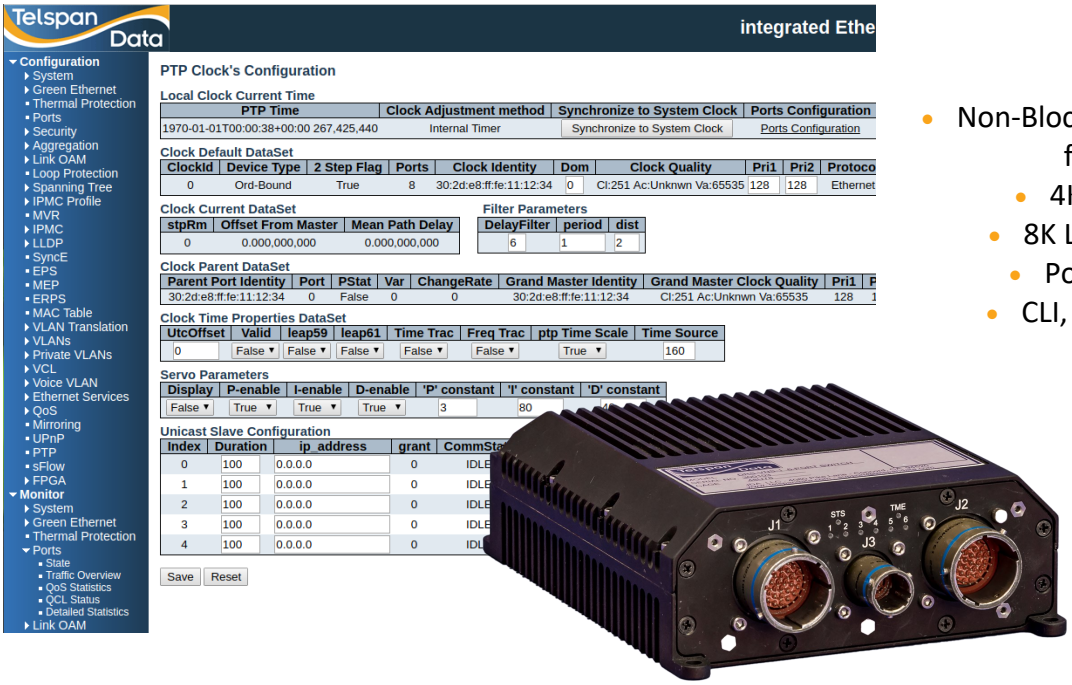
Overview

The iES-6 integrated Ethernet Switch, is a rugged 6 port layer 2/3 managed gigabit Ethernet switch with end node timing & discrete signal capabilities for demanding test instrumentation environments on airborne, shipboard or mobile ground vehicles.

Programmable discrete outputs can be used to control end node devices, on or off the network, as well as feedback into the iES-6 from discrete inputs.

iES-6 contains a hardware based IEEE-1588v2 time engine with (4) independent clocks which can be setup as ordinary, boundary, peer to peer transparent or end to end transparent, master only, slave only & one or two step clock. A Grand Master clock capability is available on the iES-12 & iES-16. The hardware timer in the MAC, provides (20) nanosecond accuracy & (4) nanosecond resolution.

The iES-6 contains a Content-Aware Packet Processor for wire speed packet inspection of advanced VLAN & QoS classifications/manipulations, IP source guarding, & security features. These are just a few of the types of inspections which can be performed. Selected ingress traffic can be applied across the iES-6 or per port. There are several methods of configuring traffic filtering, port use limit control, VLAN/MAC address, packet/rate limiters, port based & frame type.



Specifications @ telspandata.com/iES6

- Non-Blocking Wire Speed Performance for All Frame Sizes Up to 9.6KB
- 4K VLAN's, 256 Filtering Policies
- 8K L2 Multicast Groups Addresses
- Port Mirroring, Link Aggregation
- CLI, Web GUI or SNMP Command, Control & Monitoring
- RS-232 COM Port

sales@telspandata.com | telspandata.com

Highlight Specifications

28VDC
MIL-STD-704A

Width 5.17”
Length 7.15”
Height 2”

MIL-STD-810F
Shock/Vibe/
Gun Fire/Sand
Rain/+ More

3 Pounds

-40C to +75C
MIL-STD-810F

(6) 10/100/1000
Ethernet Ports

Layer 2/3
Managed

IRIG A/B/G
1PPS, DC & AM
IEEE-1588v2
Master, Slave

RS-232

6 Outputs
1 Reset

Full Specifications @ telspandata.com/iES6