

# PYLON LOGIC CONTROLLER (PLC)



Blue Hat Solutions

Main Actuating Unit of Common Pylon for advanced jet trainer of Russian Origin.

## Benefits:

- Adaptive Design (Customizable)
- Expandable Configuration
- High Performance and Flexibility
- Extensive Integrated Safety Features
- Robust design and Highly Reliable

Parameters	Details
Dimension	≈ 203 x 104 x 193 mm
Weight	< 2.5 kg
Bit Range	Programmable 50 kbps
Configuration	4Tx – 4Rx
Power Supply	27V DC (5A max)
Operating Voltage	16 to 60 V
Operating Temperature	-40°C to +71°C
Storage Temperature	-55°C to +85°C

## Features:

- Establish communication between aircraft WCS through discrete lines & ARINC-429 protocol
- FPGA based configuration to perform high-speed parallel processing
- Converts ARINC to discrete I/O signals and vice versa
- Controls Tactical firing of Russian / Smart NATO Weapons / Rocket.
- Ensures immediate and safe jettison of weapons in Emergency situations
- Incorporate interlocks for aircraft and store safety
- Complies MIL-STD-810G, MIL-STD-461F and MIL-STD-704F

