

## ARINC 818 Switches

### Environmental information

Operating temperature range:  
Commercial: 0°C to 50°C  
Industrial: -20°C to 70°C  
Storage temperature range: -55°C to 125°C  
Maximum shock range: 10g during 20ms  
Maximum vibration range: 0.03 g2/Hz  
ROHS compliant

### Ordering information

PFO-Switch-A818-100: ARINC 818 Optical Switch 19", 1U, ST connector, RS232.

PFO-Switch-A818-100-LC: ARINC 818 Optical Switch 19", 1U, LC connector, RS232.

PFO-Switch-A818-200: ARINC 818 Optical Switch shoe box, DO160, ELIO connector, web server.

PFO-Switch-A818-300: ARINC 818 Optical Switch 19", 1U, LC connector, web server.



The **ARINC 818 Switches** are targeted at Avionic applications which need multiple optical I/O interfaces and very high switching speeds.

The **ARINC 818 Switches** consist of 1U 19" rack or rugged DO160 version featuring a very high density optical I/O and carrying up to 10 optical inputs / outputs.

The «smart switching» functionality keeps the frame integrity.

The ARINC 818 Switches are delivered with your ICD configuration.

### Techway

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Certificate FR12/695125

## Applications

Aeronautic  
Broadcast, multicast  
Test Pattern generation on all display  
Prototyping  
Test bench

## Benefits

Ready To Use  
Stand Alone use  
Rackable  
Link rate and FO wavelenght specific to the ICD

Easy To Use  
Monitoring and command via web server  
TechwaY support

Smart switching  
High speed, low latency  
Test pattern generation

## Related products

MTRX\_PClE4: Frame Grabber ARINC 818 PCIe receive or transmit ARINC 818.

PFO-cable\_optical\_LC/LC: Optical Fiber, 1m.

PFO-cable\_optical\_Elio/ST: Optical Fiber Elio/ST, 30cm.

PFO-cable\_optical\_Elio/Elio: Optical Fiber Elio/Elio, 30cm.

## Features

Commutation by FPGA  
Broadcast, multicast  
Up to 10 input channels / up to 10 output channels  
Pattern generation  
Fiber connections 850 nm  
Control by RS232 or by Ethernet  
Supervision by WebServer or SNMP  
Rx module: Up to -15 dBm attenuate signal  
Tx module: Extinction ration 9 to 14 dB power -2 dBm  
Switching between have CRC error analyzing  
Low latency  
Rack 19" 1U or shoe box  
Power supply AC (220V) or DC (48V)  
Certified CE or DO160

## Firmware

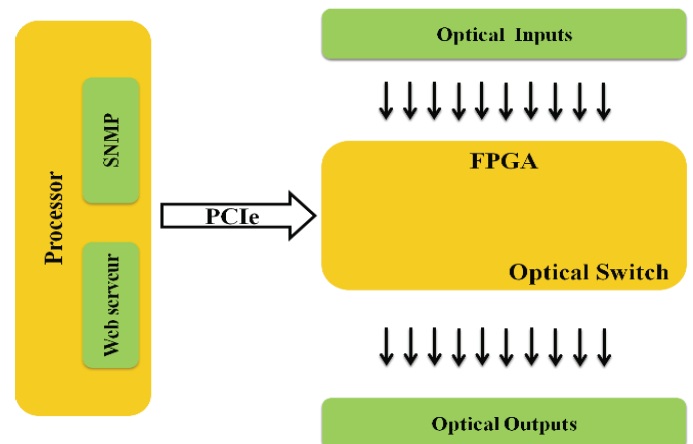
Update fi rmware via the Web server

## Software

Web server:  
Remote access (control and monitring)  
Software update

SNMP:  
Control and monitoring

## Black Diagramm



## Sales Enquiries

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