



## Ethernet Fiber Optical Dual Converter - Rack Module Secure

Versions: 60-00-7423 100 Mbps and 60-00-7425 1 Gbps

### Rack Module Secure

- Dual channels completely independent of each other
- No crosstalk between chamber one and two
- Tamper proof enclosure
- Sealed enclosure for assurance
- EMC and back channel protected in hardware design
- The rack modules can be integrated in your existing solution/product
- Long life cycle product

### Accessories for card modules

- Fibersystem 19" Rack System, 3 U with 2 x 150 W redundant power supplies, 16 rack slots
- Fibersystem single slot unit
- Rack shelf 19" 1 U, 3 rack slots

### Flexibility

The converters can be used in our:

- Single slot unit (1)
- Rack system (2)(1)



## Fibersystem Fiber Optical Dual Converter Card Module

Fibersystem Fiber Optical Dual Converter comes in 2 versions:

- 100 Mbps
- 1 Gbps
- Intended to be used in the Fibersystem 19" Rack System or in the Single Slot Unit
- 16 pcs fit into the Fibersystem 19" Rack System



## Fibersystem Single Slot Unit

- Single Slot Unit for Fibersystem Card Modules
- Built in power supply
- Picture shows Single Slot Unit with 1 converter mounted



For more information, see Rack System 50-502 Datasheet

## Fibersystem Single Slot Unit DIN-mount

- Single Slot Unit for Fibersystem Card Modules
- For DIN mount
- Built in power supply (9-36 VDC)
- Picture shows Single Slot Unit with 1 card module mounted



For more information, see Rack System 50-502 Datasheet

## Fibersystem 19" Rack System

- Redundant power supplies
- 16 rack slot
- 3 U high
- Hot swap of power and card modules
- Picture shows Fibersystem Rack with 4 card modules mounted



## Optional

- QNX RealTime OS version 6.5.0
- HTTP-based (web browser) interface for configuration/administration
- RTC (real time clock) support
- NTP (Network Time Protocol) support
- SNMPv2 (SNMPv1 compatible) and Web 2.0 (json)
- Interface for access of sensor data
- Logging
- Syslog

- I<sup>2</sup>C bus enabled for:
  - Fan speed
  - Current
  - Voltage
  - Temperature (three locations on the backplane)
  - Card module slot state (uoccupied/occupied/power fault)

For more information, see Rack System 50-502 Datasheet

Galvanic/Electrical link	Fiber Optical Dual Converter 100 Mbps	Fiber Optical Dual Converter 1 Gbps
Data speed	100 Mbps	1 Gbps
Media	100BaseTX	1000BaseTX
Connector	RJ45	RJ45
Number of connectors	2	2
<b>Fiber optic links</b>		
Data speed	100 Mbps	1 Gbps
Media	100BaseFX	1000BaseSX
Wavelength	1300 nm	850 nm
Fiber optical connector	LC	LC
Fiber	Multimode 50/125 µm or 62.5/125 µm	Multimode 50/125 µm or 62.5/125 µm. Single mode 10/125 µm
Optical system budget	13 dB in 62.5/125 µm. 9 dB in 50/125 µm fiber	13 dB in 62.5/125 µm. 9 dB in 50/125 µm fiber
Typical distance	0-2 km (3 dB system margin for 50/125 µm, 6 dB for 62.5/125 µm)	Up to 5 km depending on model
<b>Environmental</b>		
Temperature range	Operating: +10 to +40 °C. Storage: 0 to +70 °C	Operating: +10 to +40 °C. Storage: 0 to +70 °C (integrated version)
Relative humidity	Operating: 5 to 95 %RH. Storage: 5 to 95 %RH non condensing	Operating: 5 to 95 %RH. Storage: 5 to 95 %RH non condensing (integrated version)
<b>CE</b>		
	Low voltage directive, 2014/35/EU	Low voltage directive, 2014/35/EU
	EMC directive 89/336/EEC, 2014/30/EU	EMC directive 89/336/EEC, 2014/30/EU
<b>Dimensions and weight</b>		
Physical size	115 (H), 20 (W), 195 (D) mm/ 4.5 (H), 0.8 (W), 7.7 (D) inch	115 (H), 20 (W), 195 (D) mm/ 4.5 (H), 0.8 (W), 7.7 (D) inch
Weight	0.15 kg/ 0.33 lbs	0.15 kg/ 0.33 lbs

## Ordering information

### Fiber Optical Dual Converter

Part number	Model	M-Number	Description
60-00-7423		M3196-661310	Ethernet Fiber Optical Dual Converter 100 Mbps, 1300 nm MM 100BaseTX-FX
60-00-7425		M3196-661210	Ethernet Fiber Optical Dual Converter 1 Gbps, 850 nm MM 1000BaseTX-SX

### 19" Rack Solution and One Slot Casing

Part number	Model	M-Number	Description
60-00-6918	50-502	M3196-001800	Rack 19" 3 U with 2 x 150 W redundant power supplies, 16 card slots, with SNMP
60-00-6944	50-502	M3196-992819	Rack 19" 3 U with 2 x 150 W redundant power supplies, 16 card slots, without SNMP
60-00-7391	50-502		Rack 19" 1 U with 2 x redundant power supplies, 3 card slots, without SNMP
60-00-7392	50-502		Rack 19" 1 U with 2 x redundant power supplies, 3 card slots, with SNMP
60-00-6406	50-502	F3785-000080	Single Slot Unit with built-in 15 W power 85 - 264 VAC, 47-63 Hz
60-00-7231	50-502	M3196-993219	Single Slot Unit with built-in 15 W power (9-75 VDC)
60-00-7480	50-502		Single Slot Unit DIN-mount with built-in 15 W power (9-75VDC)
60-00-6505	50-502	F3785-000084	Rack shelf 19" 1 U, 3 card slots