



19" Rack 3 HU



19" Rack 1 HU



Single Slot Unit

Rack System

Fibersystem's enterprise-class rack system is designed to provide a flexible, manageable system for the Fibersystem card modules.

The Rack System is easy to install and to use, ideal for enterprises and private/public institutions. With its modular architecture and add-as-you-grow design it serves as the optimal platform for small and large installations.

Versions

- 19" Rack System 3 HU, 16 slots
- 19" Rack System 1 HU, 3 slots
- Rack shelf for 3 Single Slot Unit
- Single Slot Unit

Advantages

- No data channel between card slots
- Modular add-as-you-grow design
- 20 different Card modules
- Backward compatible to older Fibersystem card modules
- Optional SNMP and HTTP management system (19" Rack System)
- Minimal need for specialized training, support and maintenance use
- Hot swap of card modules
- Hot swap of power (19" Rack System)

Fibersystem Single Slot

- Single Slot Unit for Fibersystem Card Modules
- Built in Power Supply



Fibersystem 19" Rack shelf

- Rack shelf for 3 Single Slot Units



Fibersystem 19" 3 HU Rack

- Built in Redundant Power Supplies
- Hot swap of power and Card Modules
- 16 slots for Card Modules
- Optional SNMP and web 2.0 Management system
- 3 HU



Fibersystem 19" 1 HU Rack

- Built in Redundant Power Supplies
- Hot swap of power and Card Modules
- 3 slots for Card Modules
- Optional SNMP and web 2.0 Management system
- 1 HU



Options for Fibersystem 19" Rack System (60-00-6918, 60-00-7392)

Operating system

QNX RealTime (60-00-6918/60-00-6944)
Linux (60-00-7391/ 60-00-7392)

GUI

HTTP-based (Web-browser) interface for configuration/ administration (Please see screenshots below)

NTP

NTP (Network Time Protocol) support

SNMP

SNMPv1 and Web 2.0 (json) interface for access of sensor data

Syslog

Syslog Support

Logging

Logging of card slot state changes for each individual slot. SNMP/json can be used to log sensor values on external devices.

Fan speed, current, voltage, temperature, card module slot, insertion/removal of card module. These values are sent to the syslog outside the rack itself.

For security reasons it's impossible for the built in Surveillance and Monitoring System to read or change the data on the card modules.

I²C bus enabled for:

- Fan speed
- Current
- Voltage
- Temperature (three locations on the back-plane)
- Card module slot state (Unoccupied/Occupied/Power error)

GUI Screenshots: System Status & Configuration (Only 60-00-6918)

The screenshot shows the Fibersystem web management interface. The main content area is titled "Gauges" and displays a table of sensor data. Below the table is a "Card slots" section with a row of 16 colored indicators representing the status of each slot.

Sensor	Value
Fan 1 Speed	793 RPM
PSU 1 Voltage	0.53 V
PSU 1 Current	0.00 A
Fan 2 Speed	800 RPM
PSU 2 Voltage	5.06 V
PSU 2 Current	1.37 A
Backplane Temperature 1 (Left)	26 °C
Backplane Temperature 2 (Middle)	26 °C
Backplane Temperature 3 (Right)	26 °C

Card slots: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

[Overview](#)
[Status](#)

[System](#)
[Network](#)
[SNMP](#)
[NTP](#)
[syslog](#)

[Log](#)

[Update](#)
[Shutdown](#)

Log

id	Timestamp (UTC)	Process	Message
303	2015-06-11 14:43:43	slotmond	Slot 12 changed state from unoccupied to error
302	2015-06-11 14:39:23	slotmond	Startup ok slots: 5
301	2015-06-11 14:39:23	slotmond	Starting up ..
300	2015-06-11 14:39:23	i2cd	Starting up ..
299	2015-06-11 14:39:23	admd	Starting up ..
298	2015-06-11 14:39:22	logd	Starting up ..
297	2015-06-11 10:25:54	slotmond	Termination requested through var/killdaemon sock.311321
296	2015-06-11 10:25:54	admd	Shutdown/halt requested
295	2015-06-11 10:25:54	webmin	Shutdown requested [10.202.8.115]
294	2015-06-11 10:24:52	slotmond	Startup ok slots: 5
293	2015-06-11 10:24:52	slotmond	Starting up ..
292	2015-06-11 10:24:52	i2cd	Starting up ..
291	2015-06-11 10:24:52	admd	Starting up ..
290	2015-06-11 10:24:52	logd	Starting up ..
289	2015-06-11 10:24:26	logd	Shutting down ..
288	2015-06-11 10:24:26	logd	Termination requested by daemonslayer through var/killdaemon sock.5890072
287	2015-06-11 10:24:26	stated	Termination requested through var/killdaemon sock.5877784
286	2015-06-11 10:24:26	admd	Shutting down ..
285	2015-06-11 10:24:26	i2cd	Termination requested through var/killdaemon sock.5865496
284	2015-06-11 10:24:26	slotmond	Termination requested through var/killdaemon sock.5849113

Technical Data

Single Slot Unit 60-00-6406/ -7231/ -7480

Power supply

DC, 60-00-7231 and 60-00-7480 24 VDC nom (9-36)
 AC, 60-00-6406 85 VAC - 264 VAC, 47-63 Hz
 AC connector IEC 320, 3 pin
 DC connector..... DC terminal block

Environmental

Temperature range Operating: 0 to +50 °C. Storage, -40 to +70 °C
 Relative humidity Operating: 5 to 95 %RH. Storage, 5 to 95 %RH non condensing

Regulatory compliance

Safety CE
 Environmental..... Complies with appropriate requirements of RoHs and WEEE

Dimensions and Weight

Physical size 38(H), 133(W), 280(D) mm

Rack 19" 60-00-6918/6944/7391/7392

Power supply

AC 100 VAC - 240 VAC, 50-60 Hz
 AC connector IEC 320, 3 pin

Environmental

Temperature range Operating: +10 to +40 °C. Storage: -40 to +70 °C.
 Relative humidity Operating: 5 to 95 %RH. Storage, 5 to 95 %RH non condensing.

Regulatory compliance

Safety CE
 Environmental..... Complies with appropriate requirements of RoHs and WEEE

Dimensions and weight

	60-00-6918/ -6944	60-00-7391/ -7392
Physical size	133(H), 445(W), 345 (D) mm	43(H), 445(W), 280 (D) mm
Weight	9 kg	4,3 kg

Ordering information

Part number	Model	M-number	Product
60-00-6918	50-502	M3196-001800	Rack 19" 3 HU with 2 x 150 W redundant power supplies, 16 card slots, with SNMP
60-00-6944	50-502	M3196-992819	Rack 19" 3 HU with 2 x 150 W redundant power supplies, 16 card slots
60-00-7392	50-502		Rack 19" 1 HU with 2 x 45 W redundant power supplies, 3 card slots, with SNMP
60-00-7391	50-502		Rack 19" 1 HU with 2 x 45 W redundant power supplies, 3 card slots
60-00-6406	50-502	F3785-000080	Single Slot Unit with built in 15 W power 85 VAC - 264 VAC, 47-63 Hz
60-00-7231	50-502	M3196-993219	Single Slot Unit with built in 15 W power. 24 VDC (nom 9-36)
60-00-7480	50-502		Single Slot Unit DIN-mount with built in 15 W power. 24 VDC (nom 9-36)
60-00-6505	50-502	F3785-000084	Rack shelf 19" 1 HU, 1-3 Single Slot Unit

This brochure may be subject to change without prior notice.