

iConverter

iConverter® OC3FF Multimode to Single-Mode Managed Fiber Converter

The *iConverter* OC3FF managed media converter is a member of the modular *iConverter* product family. The OC3FF provides multimode to single-mode fiber conversion and is a cost-effective solution for extending OC-3 network distances by connecting multimode fiber network devices over single-mode fiber cabling.

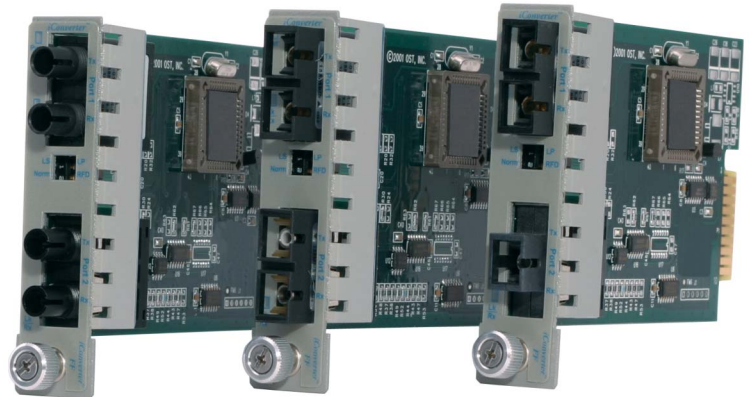
iConverter OC3FF models are available with multimode, single-mode, and single-fiber options. The multimode fiber port supports ST or SC connectors and distances up to 5km. The single-mode fiber port supports ST or SC connectors and distances up to 120km.

The OC3FF features user-selectable Link Propagate and Remote Fault Detection modes to facilitate quick fault detection, isolation and reporting.

iConverter OC3FF modules are hot-swappable and can be mounted in a 19-Module (2U high) or 5-Module (1U high) rack-mountable chassis (19-inch or 23-inch) with any combination of redundant AC, 24VDC or 48VDC power supplies. They can also be mounted in a 2-Module AC or 18 to 60VDC powered chassis, or in a 1-Module AC/DC powered chassis.



The *iConverter* family of managed fiber access media converters are used in Service Provider access networks and Enterprise LANs. *iConverter* media converters provide fiber connectivity with copper to fiber, multimode fiber to single-mode fiber, or dual fiber to single-fiber conversions.



- OC-3 multimode to single-mode fiber converter
- Supports multimode, single-mode, and single-fiber with SC and ST connectors
- Supports distances up to 120km
- Support for OC3 over ATM or SONET
- SNMP management via *NetOutlook*™ provides real-time port and module information, remote parameter configuration and trap notification
- Management is available with the addition of a management module to the chassis
- User-selectable link fault detection modes facilitate quick fault detection, isolation, and reporting
- Modules are hot-swappable in 19-Module, 5-Module, 2-Module or 1-Module chassis
- LED displays for immediate visual status of each port
- Lifetime Warranty and free 24/7 Technical Support

SPECIFICATIONS

Model Type	OC3FF
Protocols	OC-3
Fiber Connectors	ST, SC, Single-Fiber SC
Controls	LP, RFD
LED Displays	Power, Fiber Optic link (2)
Dimensions	W:0.85" x D:4.5" x H:2.8"
Weight	8 oz.
Compliance	UL, CE, FCC Class A, NEBS Level 3
Power Requirement	0.5A @ 3.3VDC (typical)
Temperature	Standard: 0 to 50° C Wide: -40 to 60° C Storage: -40 to 80° C
Humidity	5 to 95% (non-condensing)
Altitude	-100m to 4000m
MTBF (hrs)	1,600,000

MANAGEMENT

Management is accomplished by using a management module that provides monitoring, remote configuration and trap notification. The management module can be accessed via SNMP, Telnet and via a serial port. The SNMP-based management is accomplished via Omnitron's intuitive, graphic-oriented *NetOutlook* management software or third party SNMP management software. Management via the Telnet and the serial interfaces have an easy-to-use, menu-driven interface.

Some of the real-time OC3FF parameters that can be monitored include power, link and data receive status.

The user can override the OC3FF module's physical switch settings by using SNMP or Telnet to remotely configure switch-selectable parameters such as Link Propagate or Remote Fault Detection.

In addition to all standard *iConverter* SNMP traps such as module insertion and removal, the OC3FF modules can generate traps on port state changes including link-up and link-down. Trap monitoring of specific events can be selectively enabled or disabled by the network administrator.

ORDERING INFORMATION

Model Type	Fiber Type (Port 1 / Port2)	Distance Port 1	Distance Port 2	Connector Types		Fiber Type Port 1 Port2	Tx Wavelength (nm)	Rx Wavelength (nm)	Min. Tx Power (dBm)	Max. Tx Power (dBm)	Min. Rx Sensitivity (dBm)	Max. Rx Sensitivity (dBm)	Link Budget (dBm)
				ST/ST, ST/SC (SF)	SC/SC								
OC3FF Dual Fiber	MM / SM	5km	30km	8660-1	8661-1	MM	1310	1310	-24	-14	-31	-14	7
						SM	1310	1310	-15	-8	-31	-8	16
	MM / SM	5km	60km	8660-2	8661-2	MM	1310	1310	-24	-14	-31	-14	7
						SM	1310	1310	-5	0	-31	-3*	26
	MM / SM	5km	120km	-	8661-3	MM	1310	1310	-24	-14	-31	-14	7
						SM	1550	1550	-5	0	-31	-3*	26
OC3FF Single-Fiber	MM / SM	5km	20km	8670-1	8674-1	MM	1310	1310	-24	-14	-31	-14	7
						SM	1310	1550	-15	-5	-30	-3	15
	MM / SM	5km	40km	8670-2	8674-2	MM	1310	1310	-24	-14	-31	-14	7
						SM	1310	1550	-8	0	-30	-3*	22
	MM / SM	5km	20km	8671-1	8675-1	MM	1310	1310	-24	-14	-31	-14	7
						SM	1550	1310	-15	-5	-30	-3	15
	MM / SM	5km	40km	8671-2	8675-2	MM	1310	1310	-24	-14	-31	-14	7
						SM	1550	1310	-8	0	-30	-3*	22
	SM / SM	30km	20km	8672-1	8676-1	SM	1310	1310	-15	-8	-31	-8	16
						SM	1310	1550	-15	-5	-30	-3	15
	SM / SM	30km	40km	8672-2	8676-2	SM	1310	1310	-15	-8	-31	-8	16
						SM	1310	1550	-8	0	-30	-3*	22
	SM / SM	30km	20km	8673-1	8677-1	SM	1310	1310	-15	-8	-31	-8	16
						SM	1550	1310	-15	-5	-30	-3	15
	SM / SM	30km	40km	8673-2	8677-2	SM	1310	1310	-15	-8	-31	-8	16
						SM	1550	1310	-8	0	-30	-3*	22

For wide temperature modules (-40 to 60° C), add a "W" to the end of the model number. Consult factory for extended temperature (-40 to +75° C) models.

When using single-fiber (SF) media converter models, the Tx wavelength on one end has to match the Rx wavelength on the other.

*A minimum of 3dB of attenuation is required for these models.

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