

# MRF-1.3 / 1.6 / 1.9

## Intelligent ( Master ) 1U Fan Tray



MRF-1.9



### Benefits

- ▶ 1U rackmount w/ 3, 6 or 9 fans
- ▶ Cascade ports for daisy chain up to 16 levels via Cat6 cable
- ▶ Designed for low noise & high airflow performance
- ▶ 1 x intelligent master fan unit allows access to 16 fan unit levels over internet
- ▶ Free **ICM-02** management software remote access up to 480 fan units
- ▶ Auto & manual CFM setting reduces power consumption
- ▶ 1 x bundled temp. sensor with 2M wire
- ▶ Temperature sensing technology adjusts the fan speeds accordingly
- ▶ Unit or individual fan on / off ( remote or local )
- ▶ 48V, 24V or 12VDC power option
- ▶ 2-year standard warranty ( upgradable up to 5 years )

### Product Specifications

Intelligent Master Fan	MRF-1.3	MRF-1.6	MRF-1.9
No. of Fan	3	6	9
Mounting	1U	1U	1U
Unit CFM ( approx. )	324 CFM	648 CFM	972 CFM
Individual Fan CFM		108 CFM	
Individual Fan ON / OFF		Yes	
CFM Level		Normal / High / Max.	
IP Remote Access		Yes	
Daisy Chain Level	1st level, Intelligent ( Slave ) Fan for level 2 - 16		
MTBF		50,000 hrs	
Individual Fan Noise Level		41 dB	

Physical		MRF-1.3	MRF-1.6	MRF-1.9
Dimensions ( W x D x H )	Product	480 x 298 x 44 mm 18.9 x 11.7 x 1.73 inch	480 x 458 x 44 mm 18.9 x 18 x 1.73 inch	480 x 623 x 44 mm 18.9 x 24.5 x 1.73 inch
	Packing	380 x 535 x 120 mm 15 x 21.1 x 4.7 inch	550 x 550 x 120 mm 21.7 x 21.7 x 4.7 inch	550 x 730 x 120 mm 21.7 x 28.7 x 4.7 inch
	Weight	Net: 4 kg / 8.8 lb Gross: 5 kg / 11 lb	Net: 6.8 kg / 15 lb Gross: 8 kg / 17.6 lb	Net: 9 kg / 19.8 lb Gross: 11 kg / 24.2 lb
Casing Color		Black		

Power	MRF-1.3	MRF-1.6	MRF-1.9
Consumption	20W	40W	60W
Input	Auto-sensing 100V or 240V AC at 50 or 60Hz via IEC cord		

Temperature Sensor	
Temperature Port	1 x temperature sensor port ( sensor bundled )
Measurement Range	0 to 99.9°C
Measurement Accuracy	+/- 1.5%
Temperature Alarm	Yes

Environment	
Operating	0 to 50°C
Storage	-5 to 60°C
Relative Humidity	90%, non-condensing
Shock	50G acceleration ( 11ms, half-sine wave )
Vibration	58-100Hz / 0.98G ( 11ms / cycle )

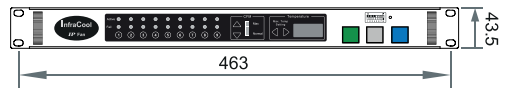
Compliance	
EMC	FCC & CE certified
Safety	CE / LVD certified
Environment	RoHS2 & REACH compliant



MRF-1.3



MRF-1.6



Front View



- Temp. port
- IP port for remote access
- Daisy chain OUT port

### Server Rack

