



## 8/16/34 Mbps Multi-Rate Modular Indoor Unit (CFM-M-MUX)



**CFM-M-MUX** is the SAF CFM product family product. It is a multi-rate modular software-configurable indoor unit operating at 8/16/34 Mbps rates and suitable for all commercially used frequency bands. The four CFM-M-MUX slots can be equipped with E1, V.35 and 10/100Base-T Ethernet interface modules. The capacity of each slot can be set through LCD or command line interface.

-  [Radio specifications](#)
-  [Management System](#)

TECHNICAL PARAMETERS	
Model name	CFM-M-MUX
Operating capacity	8/16/34Mbps
Number of slots for modules	4
Optional interface modules/connectors	Single-port E1 module, balanced (RJ-45) + unbalanced (BNC) 4-port E1 module, balanced 120 Ohm (4xRJ-45) 4-port E1 module, balanced 120 Ohm (1xDB-25) 4-port E1 module, unbalanced 75 Ohm (1xDB-25) 2-port 10/100 Base-T Ethernet (2xRJ-45) 1-port 10/100 Base-T Ethernet (RJ-45) Single-port V.35 module (M.34)
Port capacity configuration options	Slot 1: 0-34Mbps; Slot 2: 0-16Mbps; Slot 3: 0-16Mbps; Slot 4: 0-16Mbps, 2Mbps step
Compatibility with following CFM radio	CFM LM
MANAGEMENT	
Remote management via service channel	+
Web management	+
Telnet/ASCII console support	+
SNMP monitoring/Traps	+
Alarm port	Optional, 4 inputs, 4 outputs
Performance monitoring	According to ITU-T rec. G.826
Physical interface	DB-9 & RJ-45
Interface	RS-232 & 10/100 Base-T Ethernet
Loopback test facility	E1, V.35, base-band modem, RF loopback
Network management	SAF Network management system (NMS), built-in terminal management tools - web, SNMP, Telnet (local & remote), IDU LCD
Engineering orderwire	via optional VoIP handset
ELECTRICAL	
Power consumption, IDU	less than 17W (depending on modules installed)
Power consumption, ODU	less than 13W per ODU
Power supply	20 to 60 V DC, any polarity can be grounded
Protection circuit	1.5A
Cable (IDU-ODU)	Single coaxial, up to 300 m LMR 400 (or similar) or up to 100 m RG-213 (or similar), N-type connectors/ up to 20 dB attenuation @ 350 MHz

<b>ENVIRONMENTAL</b>	
Ambient temperature IDU	-5°C to +45°C
Ambient temperature ODU	-33°C to +55°C
Humidity IDU	5% to 95%
Humidity ODU	15% to 100%
Altitude	in accordance with climatic standards
<b>MECHANICAL</b>	
IDU HxWxD mm/weight kg/ H in U	44 x 482x270/ 1.7/ 1U
ODU/FODU mm/weight kg	280x85/2.5 (FODU 3.0)
<b>STANDARDS</b>	
Standard compliance	ETSI, ITU
EMC	EN 301 489
Operational, ODU	EN 300 019, Class 4.1
Operational, IDU	EN 300 019, Class 3.1E
Storage, ODU & IDU	EN 300 019, Class 1.2
Transportation, ODU & IDU	EN 300 019, Class 2.3
Safety	EN 60950

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