



4 Mbps M Series Modular Indoor Unit



4 Mbps 2 slot Modular Indoor Unit - **CFM-M4-MUX** - is designed to provide flexibility and modularity of traffic interfaces at small capacities. It has two universal slots accepting E1 (G.703), 2-port 10/100Base-T Ethernet interface or V.35 modules. The slot capacity is 4 Mbps or 2 Mbps; either one or both slots can be equipped with modules with total traffic capacity of 4 Mbps.

CFM-M4-MUX is compatible with SAF CFM L4 radios supporting fixed 4 Mbps rate.

The entire IDU is a 1U high 230mm deep 19" rack mountable unit and is intended for use with external DC power supply.

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

Typical applications:

- Access networks of service providers, ISPs, city carriers, CLEC and telecoms
- E1/E3 trunking in mobile networks (BS, BSC, MSC, etc.)
- Node B connection in 3G mobile networks
- Private networks of large enterprises, municipal/public authorities

TECHNICAL PARAMETERS	
Model name	CFM-M4-MUX
Operating capacity	4 Mbps
Number of slots for modules	2
Optional interface modules/connectors	Single-port E1 module, balanced (RJ-45) + unbalanced (BNC) 1-port 10/100 Base-T Ethernet (RJ-45) Single-port V.35 module (M.34)
Port capacity configuration options	Slot 1: 0-4 Mbps; Slot 2: 0-2 Mbps; 2 Mbps 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
ENVIRONMENTAL	
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
MECHANICAL	
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)
STANDARDS	
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

[Home](#) > [Products](#) > [CFM](#) > [Indoor units](#) > [4 Mbps M series 2 Slot Modular Indoor Unit](#)

 © SAF Tehnika 2002-2005