



CFIP Phoenix M

modular, split-mount radio system with high capacity throughput of up to 360 Mbps



- Market-proven technology supporting 256QAM modulation and 56 MHz channel bandwidth
- XPIC support enables 2+0 configuration using both polarizations in a single channel
- Flexible TDM/IP architecture allows easy transition from TDM-only to hybrid or IP-only network
- Built-in managed Carrier Gigabit Ethernet switch supports advanced QoS, OAM, MEF 9&14, 1588v2 PTP, SyncE and other important features
- Modular high capacity SDH, Gigabit Ethernet, Carrier Ethernet split-mount microwave solution

CFIP Phoenix M split mount system consists of IDU and ODU (XPIC functionality supported). Phoenix M IDU provides up to 63E1 and 2xSTM-1 bringing the total maximum capacity to 360 Mbps full duplex.

Data modules

Fast Ethernet module

- 14x E1/T1, high-density Molex connector
- 2x E1/T1, RJ-45 connector
- Data EOW RJ-45 connectors
- 100BaseTX, 2x RJ-45 ports

42E1 Base

- 42x E1/T1, 3x high-density Molex connector
- Data EOW RJ-45 connectors
- 100BaseTX, 1-100 Mbps, 2x RJ-45 ports

Gigabit Ethernet Base

- 4x 10/100/1000Base-T ports with RJ-45 connector
- Ethernet SFP connector
- 2x E1/T1, RJ-45 connector
- Data EOW RJ-45 connectors

Carrier Gigabit Ethernet module

- 4x 10/100/1000Base-T (RJ-45)
- 4x SFP (4x 1000Base-T or 2x STM-1 or 2x 2,5 GE)
- 16x RJ-45 for E1/T1

Optional data modules

16E1 Expansion module

- 14x E1/T1, high-density Molex connector
- 2x E1/T1, RJ-45 connector

21E1 Expansion module

- 21x E1/T1, 2x high-density Molex connector

2xSTM-1 Expansion module

- Electrical, Optical and SFP interfaces

STM-1 Optical mini module

- STM-1, Single mode 1310 nm, SC Duplex Transceiver

STM-1 Electrical mini module

- STM-1, 2xBNC, ITU-T Rec. G.703, 750hm



	ETSI	FCC
Frequency Bands	4/6/7/8/10/11/13/15/18/23/26/32/38/42 GHz	6/7/11/13/15/18/23/38 GHz
Channel Bandwidths	7, 14, 28, 40, 56 MHz	5, 10, 20, 30, 40, 50 MHz
Modulation	QPSK, 16QAM, 32QAM, 128QAM, 256QAM with ACM	
Capacity	up to 360 Mbps	
Configurations	1+0, 1+1 (HSB/SD/FD) / East-West repeater within single unit / Ethernet Ring/Mesh (with RSTP) / E1/T1 ring protection / STM-1 ADM (up to 63E1 per STM-1) / 2+0 XPIC, 3+0, 4+0 Ethernet aggregation, 2+2 XPIC	
Connection to ODU	TNC connector on IDU	
Ethernet switch	Managed Gigabit Ethernet Layer 2	
Management	MIB, SNMP v1/v2c /v3, Web GUI, Telnet, FTP, Serial terminal RS-232	
QoS	Port priority, 802.1Q VLAN Tag Priority, IPv4 TOS priority, DiffServ (DSCP) priority	
VLAN support	802.1Q (up to 4K VLAN entries)	
Spanning Tree	802.1D-2004 RSTP	
IDU Operational use	Conforms to ETSI EN 300 019 Class 3.1E, IP20, NEMA 1	
Max. power consumption	for IDU: 30-45W for CFIP ODU: SP 13-27W, HP 21-39W	

* Inquire SAF representative for more information

