PhoeniX G2

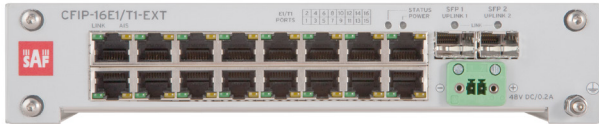### split mount radio system with capacity of up to 452 Mbps full duplex

- Double the capacity with 2+0 configuration - up to 900 Mbps
- High spectral efficiency supporting up to 1024QAM modulation
- Capacities of up to 452 Mbps full-duplex at 60 MHz channel bandwidth
- Compact design - two radios supported by a single indoor unit
- Flexible channel planning with XPIC for co-channel dual polarization applications
- Excellent system gain with Very High Power radios
- Up to date feature set with over-the-air 256-bit encryption, hitless ACM, flexible channel bandwidth options, Ethernet Layer 1 link bonding and more

PhoeniX G2 split mount system is designed to fit in a classic telecom architecture with a radio located outdoors and a sheltered indoor unit. Supporting channel bandwidths of up to 60 MHz, the PhoeniX G2 offers capacities of up to 452 Mbps full duplex in 1+0 configurations.

External ASI module for PhoeniX G2 IDU,
4x BNC, 2x SFP ports

16E1/T1 external module for CFIP PhoeniX G2 IDU,
16x RJ-45, 2x SFP ports

	ETSI	FCC
Frequency Bands	4/6/7/8/11/13/18/23/26/38 GHz	6/7/11/13/18/23/38 GHz
Channel Bandwidths	14, 27.5, 28, 40, 56 MHz	10, 20, 25, 30, 40, 50, 60 MHz
Modulation	QPSK, 16QAM, 32QAM, 64QAM, 128QAM, 256QAM, 512QAM*, 1024QAM*	
Capacity	up to 452 Mbps	
Configurations	1+0, 1+1 (HSB, SD, FD), 2+0 (built-in Ethernet aggregation), 2+0 XPIC	
Synchronization	PTP 1588v2	
Encryption	AES 256bit	
Traffic/Management ports	3x 10/1000Base-T, RJ-45 – for traffic and/or managment access, 4x SFP (1000BseSX/LX) – for traffic, also work as Extension/Protection ports/Aggregation ports, USB B – alternative serial IP management access, USB A - flash memory port, 2x N-Type Female – for connection to ODU	
Management	MIB, SNMP v1/v2c /v3, Web GUI (HTTP/HTTPS), Telnet, FTP, SSH, Serial interface (USB IP port) , in-band or out-band management	
Ethernet switch	Managed Gigabit Ethernet Layer 2	
QoS	64 level DiffServ (DSCP) or 8 level 802.1p mapped in 4 prioritization queues with VLAN support, IPv6 Traffic Class	
VLAN support	802.1Q, up to 64 VLANs, up to three port based groups	
IDU Operational use	ETSI EN 300 019, Part 1-3, Class 3.2	
Max. power consumption	IDU only: <30W, max 0.55A at 48V DC IDU+2xVHP ODU: <155W (max 0.55A + 2x 1.3A at 48V DC)	

* Please contact a SAF Tehnika representative for more information