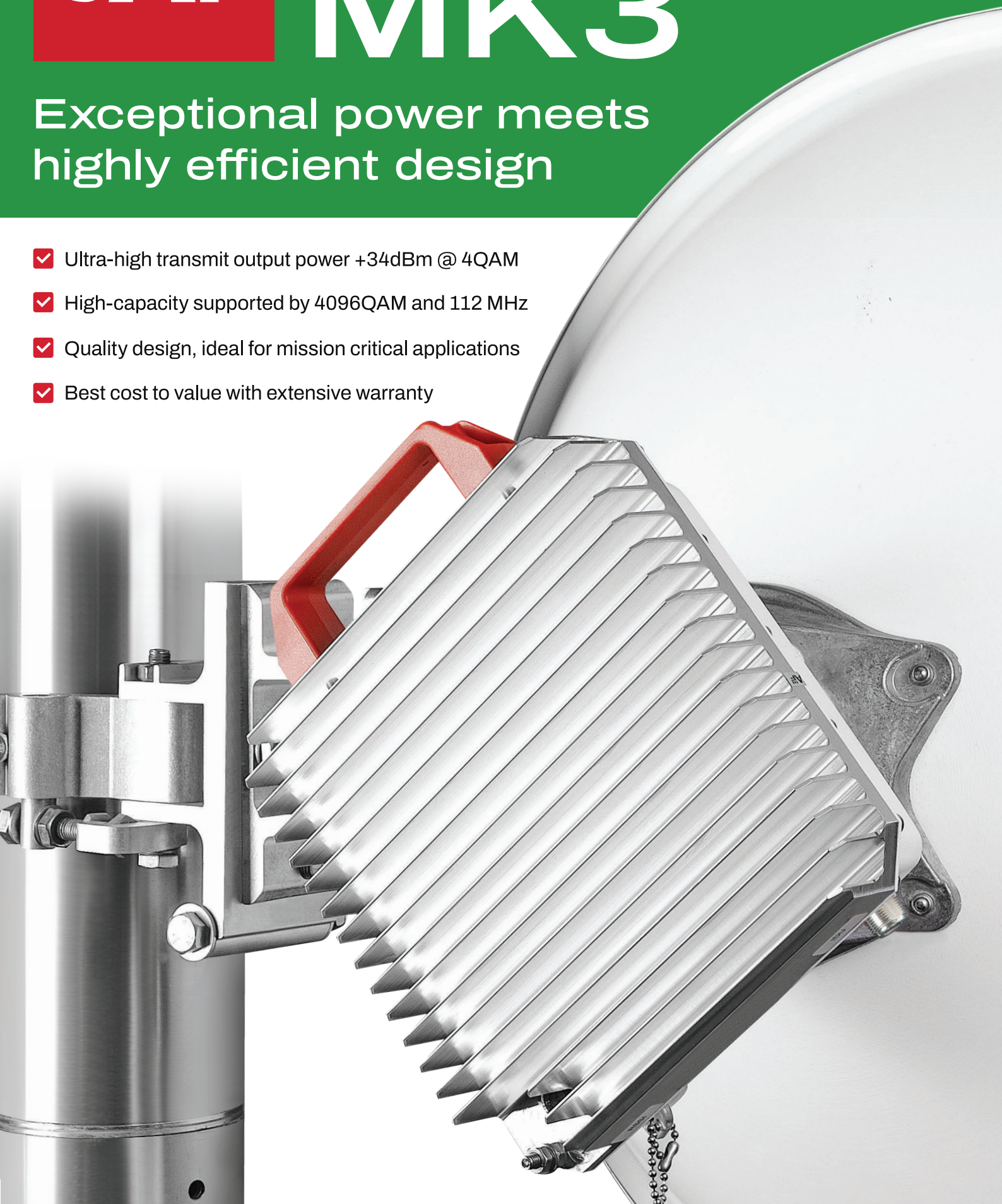




Phoenix MK3^{ODU}

Exceptional power meets
highly efficient design

- ✓ Ultra-high transmit output power +34dBm @ 4QAM
- ✓ High-capacity supported by 4096QAM and 112 MHz
- ✓ Quality design, ideal for mission critical applications
- ✓ Best cost to value with extensive warranty



Specifications

Radio	
Mount	Outdoor
Frequency Bands	U4, 5.5, L6/U6, 7, 8, 10/11, 13, 15, 18,23, 26, 28, 30, 32, 38 GHz
Channel bandwidth	1.75 - 112 MHz
Modulation	4QAM - 4096QAM
IF port / connection to IDU	N-Type female
IF frequencies	140/350 MHz
IF cable attenuation	Maximum permissible 20dB (at 350 MHz)
Power	DC - 40.5V to -57V DC supplied by IDU over the IF port (conforms to ETSI EN 300 132-2)
Max. power consumption	High power ODU: <35 Watt Very high power ODU: <40 Watt
Phase noise*	<100dBc/Hz at 10 kHz
Frequency stability	+/- 5 ppm
Management, monitoring and alarms	Provided by the connected IDU
IDU-ODU communication**	SAF telemetry protocol, AM modulation, Rx 4.5 MHz Tx 10 MHz
Antenna alignment port	3.5mm phone jack for RSSI voltage and antenna alignment
LED	Provides power supply and Rx level indication functions
Connection with antenna	SAF2/SAF2R direct-mount or via waveguide
Mounting	Direct-mount to antenna or stand-alone mounting bracket (standard flanges)
Operational temperature range	-33... +55°C
Form factor	280x280x110 mm / 3.8 kg 11x11x4.3 in / 8.37 lbs
IP class	IP67
IF port surge protection	Conforms to ETSI EN 301 489-1; EN 61000-4-5; IEC 61000-4-5

* Typical figure (actual depends on freq. band)

** Frequencies and protocol adjustable per customer requirements

Frequency band, GHz	Max. RF Tx power, dBm (HP/VHP)			Connection to antenna (direct-mount / mounting bracket)
	4QAM	1024QAM	4096QAM	
U4	TBD/34	TBD/31	TBD/30	NA/N-Type
5.5	TBD/34	TBD/31	TBD/30	NA/N-Type
L6/U6	31/34	27/30	26/29	SAF2R/UDR70
7	31/TBD	27/TBD	26/TBD	SAF2R/UBR84
8	31/TBD	27/TBD	26/TBD	SAF2R/UBR84
10/11	31/TBD	27/TBD	26/TBD	SAF2R/UBR100
13	29/TBD	25/TBD	24/TBD	SAF2R/UBR140
15	TBD/32	TBD/28	TBD/27	SAF2/UBR140
18	TBD/31	TBD/27	TBD/26	SAF2/UBR220
23	TBD/29	TBD/25	TBD/24	SAF2/UBR220
26	26/TBD	22/TBD	21/TBD	SAF2/UBR260
28	24/TBD	20/TBD	19/TBD	SAF2/UBR320
30	24/TBD	20/TBD	19/TBD	SAF2/UBR320
32	23/TBD	19/TBD	18/TBD	SAF2/UBR320
38	21/TBD	17/TBD	16/TBD	SAF2/UBR320

For more detailed information about PhoeniX series products visit www.saftehnika.com

or contact SAF Tehnika sales info@saftehnika.com

Product features may vary between different models and configurations.

They are subject to change without prior notice. © SAF Tehnika

