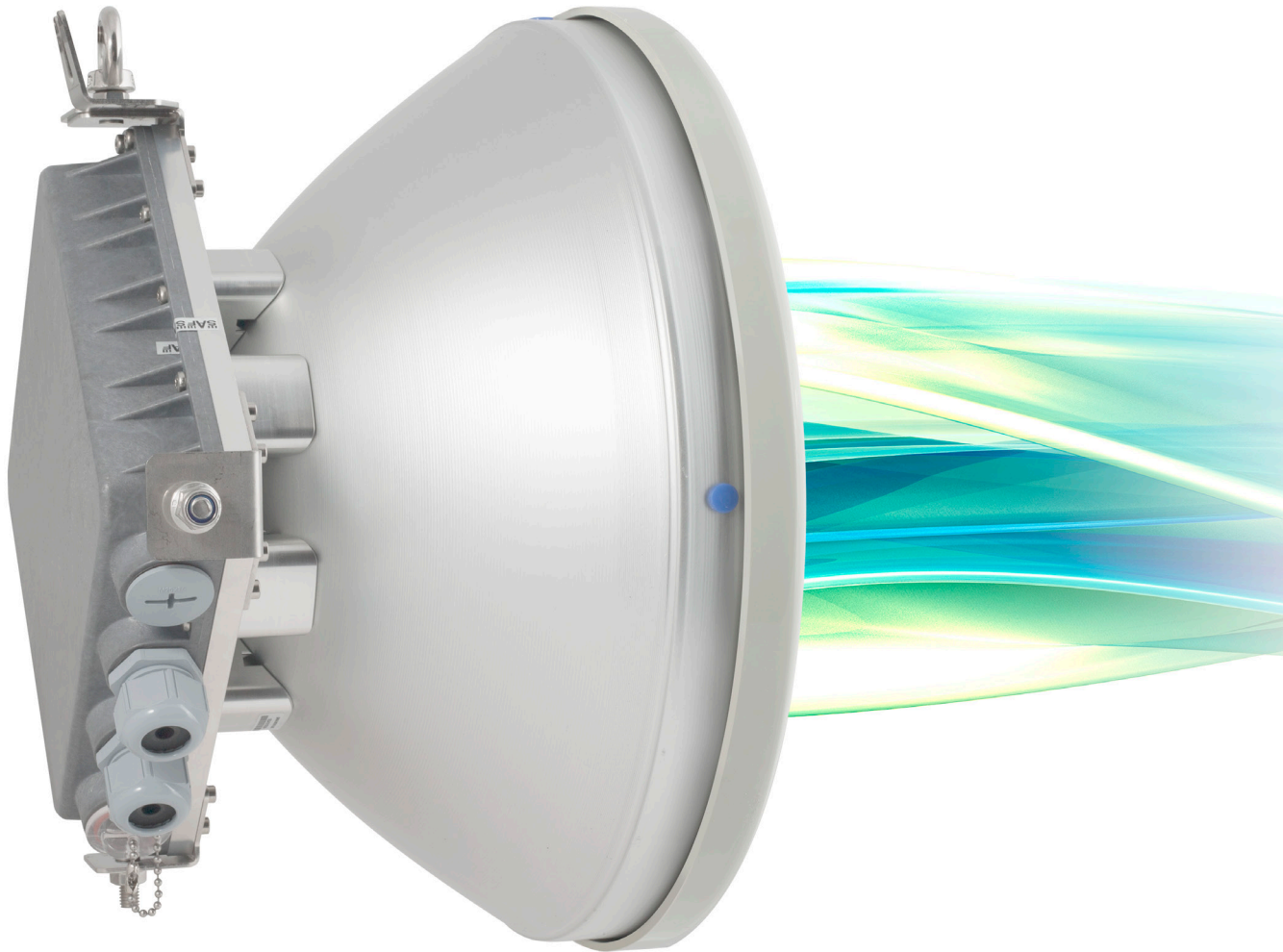




# Integra-G

integrated carrier-grade microwave radio,  
delivering up to 1Gbps



- SAF Tehnika most powerful modem yet with 3.5MHz to 60MHz channel bandwidth and up to 2048QAM modulation support for universal network upgrades in a compact integrated design.
- Full outdoor unit includes radio, modem, Ethernet network processor, PoE splitter with surge arrestor and integrated antenna in a single hardware design.
- Direct radio and antenna integration guarantees weather-proof factory sealing and fast installation.
- Carefully selected materials for best corrosion resistance and simplified installation with a 50% weight reduction compared to other microwave systems.
- Built-in protected 2+0 layer 1 link bonding provides double capacity up to 982 Mbps and up to 1Gbps with header compression.



Integra-G is an unbelievably light, energy efficient carrier-grade system that exemplifies an outstanding return on smart engineering - the synergy of high competence in radio electronics and materials science. Integration of next generation microwave radio with high and super high performance antennas into a single unit. It translates into a lower total cost of ownership, as well as less time spent on the installation site, and better reliability of the link even in densely served areas.

Capacity	up to <b>1Gbps</b> with HC
Frequency bands	15GHz, 17GHz UL, 18GHz, 23GHz, 24GHz UL, 25GHz, 26GHz, 28GHz, 32GHz*, 38GHz, 42GHz and more*
Modulation	4QAM / 16QAM / 32QAM / 64QAM / 128QAM / 256QAM / 512QAM / 1024QAM / 2048QAM with Hitless ACM
Configurations	1+0, 2+0 link bonding
<b>Channel bandwidth</b>	
ETSI	from 3.5MHz up to 56MHz, up to 472 Mbps
FCC	from 5MHz up to 60MHz, up to 491 Mbps
<b>Gigabit Ethernet</b>	
1x RJx45	Electrical with built-in PoE splitter and surge arrestor
2x SFP	Fibre Optics
<b>Service ports</b>	
3.5mm	Audible alignment and RSSI
USB B-Type	Terminal Access
LED	Power On, Link Synchronization, RSL
Managed Gigabit Switch functionality	802.1Q VLANs with QoS including WRED, shaping and DWRR, Spanning Tree Protocol, Jumbo frames and more*
Management	In-band, SNMP v1/2c/3, SSH, Telnet, HTTPS, Serial, RADIUS, Network Time Protocol
Carrier Ethernet functionality	Provider Bridging, MEF9&14, High Efficiency Header Compression, AES 256-bit encryption, MPLS EXP-bit QoS, SyncE
Performance monitoring	Performance graphs, constellation diagram, alarms, detailed counters
Antenna type	Integrated antenna
Weight	Size 0.3m w/o mount 378x378x227 mm; <5kg Size 0.6m w/o mount 669x669x289 mm; <5kg Size 1ft w/o mount 14.9x14.9x9.0 inch; <11lbs Size 2ft w/o mount 26.3x26.3x11.4 inch; <11lbs
Temperature range	-33 ... +55 °C / -28 ... +130 °F

\* Please contact SAF Tehnika representative for more information



**SARTELCO® SISTEMI SRL**  
Via Torri Bianche, 1  
20871 Vimercate (MB)  
Tel. +39- 039- 62905.1 Fax. +39- 039- 62905.99  
e-mail sistemi@sartelco.it Web [www.sartelco.it](http://www.sartelco.it)

For more detailed information about SAF products visit [www.saftehnika.com](http://www.saftehnika.com) or contact your SAF representative [info@saftehnika.com](mailto:info@saftehnika.com)  
Product features may vary between different models and configurations. They are subject to change without prior notice.

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