



Integra-W

integrated carrier-grade microwave radio,
delivering up to 883 Mbps



- Integra-W is specifically designed for use with wide channel bandwidths up to 112MHz and supports up to 1024QAM modulation for network upgrades.
- Full outdoor unit includes radio, modem, PoE splitter with surge arrester 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.
- High performance predistortion algorithm enables high Tx power performance.



Integra-W 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	883 Mbps at 112MHz 1024QAM 643 Mbps at 80MHz 1024QAM
Frequency bands	15GHz, 17GHz UL, 18GHz, 23GHz, 24GHz UL, 25GHz, 26GHz, 28GHz, 38GHz, and more*
Modulation	4QAM / 16QAM / 32QAM / 64QAM / 128QAM / 256QAM / 512QAM / 1024QAM / Hitless ACM
Configurations	1+0
Channel bandwidth	
ETSI	from 56MHz up to 112MHz
FCC	from 40MHz up to 80MHz
Gigabit Ethernet	
	1x RJ-45 - Management 1x RJ-45 or 1x SPF - Traffic
Service ports	
3.5mm	Audible alignment and RSSI
USB B-Type	Terminal Access
LED	Power On, Link Synchronization, RSL
Ethernet type	Unmanaged Gigabit Ethernet
Management	In-band*, Out-of-band; SNMP v1/2c/3, SSH, Telnet, HTTPS, Serial, RADIUS, Network Time Protocol
Carrier Ethernet functionality	Transparent
Performance monitoring	Performance graphs, constellation diagram, alarms, detailed counters
Antenna type	Integrated antenna 0.3m / 1ft, 0.6m / 2ft
Form factor	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

