

Integra Series



LATEST CHIPSET TECHNOLOGY



10 Gbps
capacity



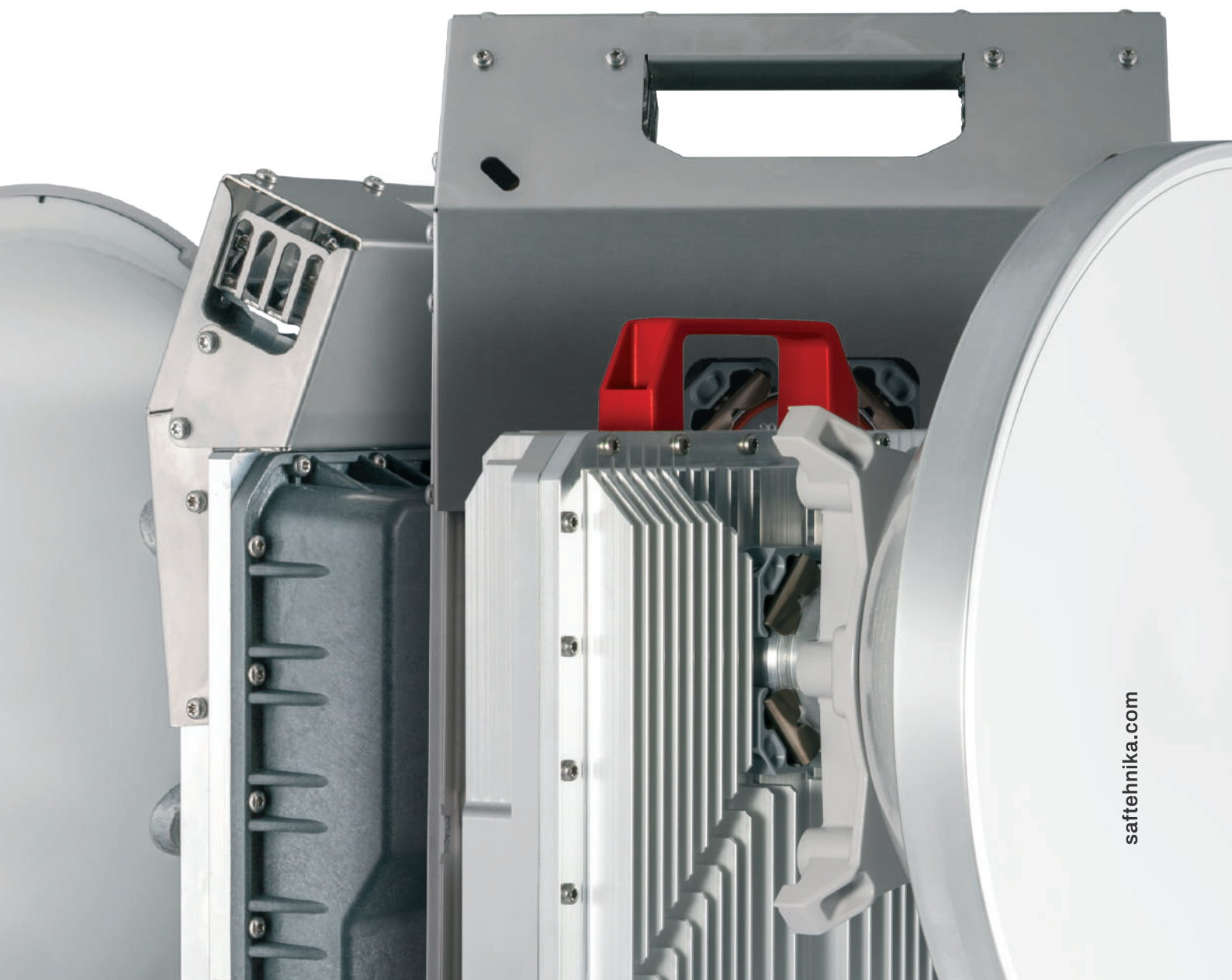
Up to
2000 MHz



Built-in 2+0
XPIC solution



Up to
4096 QAM



Integra-G

Integra-W

Capacity	ETSI	Up to 1 Gbps with HC	Up to 883 Mbps at 112 MHz 1024QAM
	FCC	Up to 1 Gbps with HC	Up to 643 Mbps at 80 MHz 1024QAM
Frequency bands		5.8 GHz UL, 6GHz, 7GHz, 8GHz, 11GHz, 13GHz, 15GHz, 17GHz UL, 18GHz, 23GHz, 24GHz UL, 25GHz, 26GHz, 28GHz, 38GHz, and more*	
Max modulation		2048QAM	1024QAM
Configurations		1+0, 2+0 link bonding, 1+1*	1+0
Channel bandwidth	ETSI	from 1.75* MHz up to 56 MHz, up to 472 Mbps	from 56 MHz up to 112 MHz
	FCC	from 5MHz up to 60MHz, up to 491 Mbps	from 40 MHz up to 80 MHz
Maximum Tx power		up to +31 dBm	up to +33 dBm
Traffic ports	RJ-45	1x Electrical with built-in PoE splitter and surge arrestor	2x Electrical with built-in PoE splitter and surge arrestor
	SFP	2x Fiber Optics	1x Alternative to 1x RJx45
Service ports	3.5 mm	Audible alignment and RSSI	
	USB B	RS232 serial over USB B-Type	
	LED	Power On, Link Synchronization, RSL, Polarization accuracy*	
Power	DC port	—	
Ethernet		Built-in Carrier Ethernet Gigabit Switch	Unmanaged Gigabit Ethernet
Ethernet Switch functionality		802.1Q VLANs with QoS/CoS incl. WRED*, shaping, DWRR and on MPLS-TP exp bit; Spanning Tree Protocol, Jumbo frames and more*	Transparent
Management		In-band MNG over same ETH port; SNMP v1/2c/3, SSH, Telnet, HTTPS, Serial, RADIUS, Network Time Protocol	In-band*, Out-of-band; SNMP v1/2c/3, SSH, Telnet, HTTPS, Serial, RADIUS, Network Time Protocol
Carrier Ethernet functionality		Provider Bridging, MEF9614*, High Efficiency Header Compression, OAM*	Transparent
Synchronization Encryption		SyncE	—
		AES256 - FIPS197 certified	—
Performance monitoring		Performance graphs, constellation diagram, alarms, detailed counters	
Antenna type		External antenna	
Form factor	6-13 GHz	280 x 437 x 100 mm / 11.02" x 17.2" x 3.9", 6,5 kg / 14.3 lbs	
	15-38 GHz	235 x 250 x 72 mm / 9.26" x 9.85" x 2.84", 2,9 kg / 6.4 lbs	
	17/24 GHz	—	235 x 250 x 72 mm / 9.26" x 9.85" x 4.37", 4,9 kg / 10.8 lbs
Temperature range		-33...+55 °C / -28...+130 °F	

*Please contact SAF Tehnika representative for more information



Integra-G/-W 6-13 GHz body



Integra-W 17/24 GHz body



Integra-G/-W 15-38 GHz body

Integra-E2

Integra-E3

Capacity	ETSI	Up to 10 Gbps at 2000 MHz
	FCC	Up to 10 Gbps at 2000 MHz
Frequency bands		71 – 76 GHz paired with 81 – 86 GHz
Max modulation		1024QAM
Configurations		1+0
Channel bandwidth	ETSI	62.5, 125, 250, 500, 1000, 2000 MHz
	FCC	62.5, 125, 250, 500, 1000, 2000 MHz
Maximum Tx power		up to +19 dBm
Traffic ports	1x RJ-45	Gigabit Ethernet (auto 10/100/1000 Mbps) electrical port, PoE capable with built-in surge arrestor
	2x SFP	SFP+ for Fiber Optics (1, 2.5 and 10 Gbps speed supported)
Service ports	3.5 mm	Audible alignment and RSSI
	USB B	RS232 serial over USB B-Type
	LED	Power On, Link Synchronization, RSL
Power	DC port	Screw type terminal block, pluggable, 2 pin, centerline 5.08 mm / 0.2"
Ethernet		Built-in Carrier Ethernet 10 Gigabit Switch, switching capacity up to 50 Gbps
Ethernet Switch functionality		802.1Q VLANs with QoS/CoS incl. WRED*, shaping* DWRR and on MPLS-TP exp. bit; Spanning Tree Protocol* Jumbo frames and more*
Management		SNMP v1/2c/3, SSH, Telnet, HTTPS, Serial, RADIUS, Network Time Protocol. In-band Management over same ETH port. Out-band Management is configurable using VLANs.
Carrier Ethernet functionality		Provider Bridging, MEF9&14, OAM*
Synchronization		SyncE, PTP 1588v2 SyncE, PTP 1588v2 (only in non-AES mode)
Encryption		— AES256 - FIPS197 certified
Performance monitoring		Performance graphs, constellation diagram, alarms, detailed counters
Antenna type		External antenna
Form factor		280 x 400 x 70 mm / 11.02" x 15.8" x 2.8"
		7.1 kg / 15.7 lbs
Temperature range		-33...+55 °C / -28...+130 °F

*Please contact SAF Tehnika representative for more information



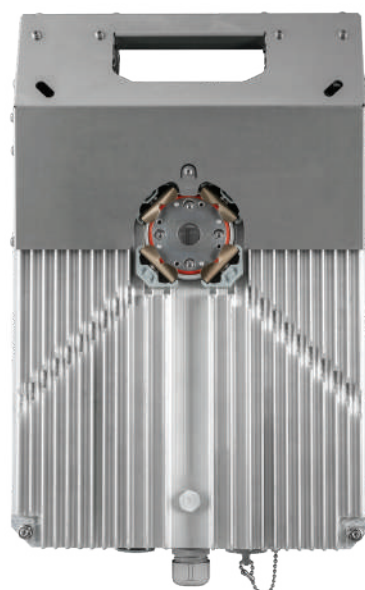
Integra-E2 body

Integra-X

Integra-X2

Capacity	ETSI	Up to 2.2 Gbps at 2x 112 MHz 4096QAM
	FCC	Up to 1.5 Gbps at 2x 80 MHz 4096QAM
Frequency bands		4U*, 5*, 6, 7, 8, 11, 13, 15, 18, 23, 26, 28, 30, and 38* GHz
Max modulation		4096QAM
Configurations	ETSI	1+0, 2+0 XPIC, 2+0 ACAP
Channel bandwidth	FCC	7 to 112 MHz
		5 to 80 MHz
Maximum Tx power		up to +32 dBm
Traffic ports	1x RJ-45	Gigabit Ethernet (auto 10/100/1000 Mbps) electrical port, PoE capable with built-in surge arrester
	2x SFP	SFP+ for Fiber Optics (1, 2.5 and 10 Gbps speed supported)
Service ports	3.5 mm	Audible alignment and RSSI
	USB B	RS232 serial over USB B-Type
	LED	Power On, Link Synchronization, RSL
Power	DC port	Screw type terminal block, pluggable, 2 pin, centerline 5.08 mm / 0.2"
Ethernet		Built-in Carrier Ethernet 10 Gigabit Switch, switching capacity up to 50 Gbps
Ethernet Switch functionality		802.1Q VLANs with QoS/CoS incl. WRED*, shaping* DWRR and on MPLS-TP exp. bit; Spanning Tree Protocol* Jumbo frames and more*
Management		SNMP v1/2c/3, SSH, Telnet, HTTPS, Serial, RADIUS, Network Time Protocol, In-band Management over same ETH port. Out-band Management is configurable using VLANs.
Carrier Ethernet functionality		Provider Bridging, MEF9&14*, OAM* High Efficiency Header Compression
Synchronization		SyncE
Encryption		AES256 - FIPS197 certified
Performance monitoring		Performance graphs, constellation diagram, alarms, detailed counters
Antenna type		External antenna
Form factor		280 x 437 x 100 mm / 11.02" x 17.2" x 3.9"
		8.5 kg / 18.7 lbs
Temperature range		-33...+55 °C / -28...+130 °F

*Please contact SAF Tehnika representative for more information



Integra-X body

For more detailed information visit saftehnika.com

or contact your **SAF Tehnika** representative info@saftehnika.com

Product features may vary between different models and configurations.

They are subject to change without prior notice. **SAF Tehnika** © 2024