Integra-**X**

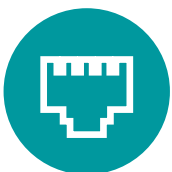## POWERFUL DUAL-CORE SYSTEM FOR 5G NETWORK BACKBONE DEPLOYMENT

High capacity and reliability

5 5 year warranty

10 Gbps Ethernet switch

XPIC Built-in 2+0 XPIC

SAF Tehnika meets another milestone on its way of consistent technological innovation. We are proud to announce our new dual core radio Integra-X, the newest member of full-outdoor radio product line.

Integra-X incorporates two transceivers and two modem chains allowing this system to operate in native 2+0 XPIC mode, reaching maximum data transmission capacity up to 2.2 gigabits per second.

General

Concept / form factor	Full-Outdoor Unit with direct-mount antenna
Frequency band	6, 7, 11 and 18 GHz. All licensed bands up to 38 GHz*
Duplex spacing	Any applicable
Frequency stability	± 10 ppm
Capacity	Up to 2.2 Gbps at 2x 112 MHz 4096QAM
Configurations	1+0, 2+0 XPIC, 2+0 ACAP
ACM	Adaptive Code Modulation, Hitless. Variable Tx power mode supported.
Channel bandwidth	5 to 112 MHz

Ports

Ethernet	2 x SFP+	For Fiber Optics up to 10 Gbps (1, 2.5 and 10 Gbps speed supported)
	1 x RJ-45	Gigabit Ethernet (auto 10/100/1000 Mbps) electrical port, PoE capable with built-in surge arrestor
Power	DC port	Screw type terminal block, pluggable, 2 pin, centerline 5.08 mm / 0.2"
Service ports	3.5 mm	Audible alignment and RSSI
	USB B	RS232 serial over USB B-Type
	LED	Power On, RSL
Antenna	SAF2	Circular waveguide flange

Ethernet

Ethernet	Built-in Carrier Ethernet 10 Gigabit Switch, switching capacity up to 50 Gbps
Gigabit Switch functionality	802.1Q VLANs with QoS/CoS incl., shaping, DWRR and on MPLS-TP exp. bit; Spanning Tree Protocol*, Jumbo frames, and more*
Synchronization	SyncE
Carrier Ethernet functionality	Provider Bridging
Jumbo frames	Yes, 12288 bytes*
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.
Performance monitoring	Performance graphs, constellation diagram, alarms, detailed counters

Electrical

Power consumption	Up to 100 W
Voltage range	36...57 V DC
Temperature range	-33...+55 °C / -28...+130 °F

Mechanical & Environmental

Stationary use	Conforms to ETSI EN 300 019 Class 4.1, IP66, NEMA 4X
Size	280 x 437 x 100 mm / 11.02" x 17.2" x 3.9"
Weight	8.5 kg / 18.7 lbs
Mount	Mount on antenna
Antenna	External antenna, direct-mount with SAF2 adaptation

* Inquire SAF representative for more information