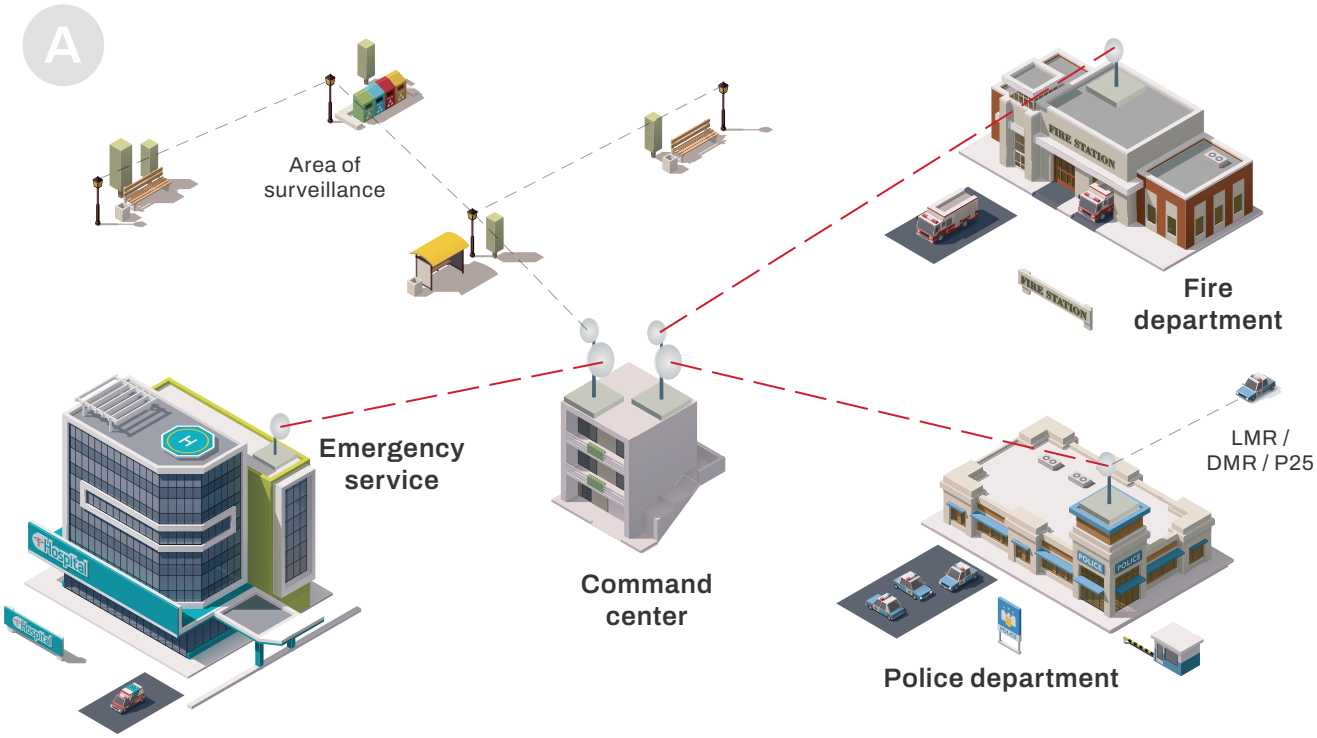
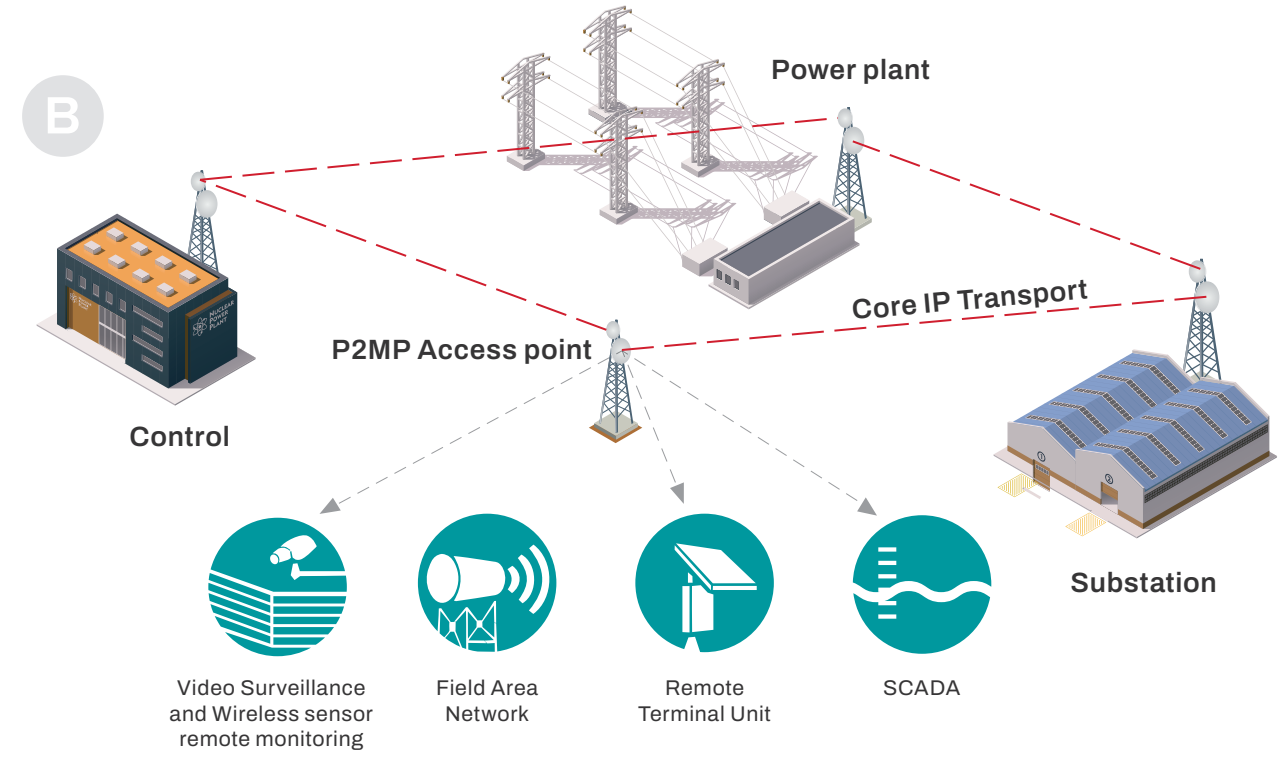
Point-to-Point
microwave solutions
for mission-critical networks

- Innovations for over 20 years with deployments in 130+ countries
- Wireless backhaul for fiber up to 10 Gbps per radio
- Fully redundant solutions for native E1/T1 and IP network infrastructure
- Industry leading Tx power for 99.999 % availability
- Complete portfolio of 300 MHz to 87 GHz
- Best cost to value with 5-year warranty

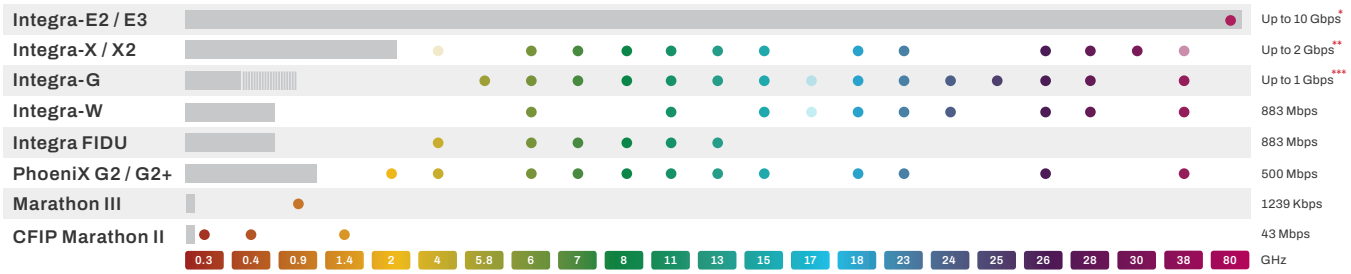
Turn-key solutions & services:

- Professional support network of local system integrators and installers across North America, South America, Europe, APAC, Africa, Middle East
- Outstanding technical support, logistics and warehouse stock from multiple locations
- Services for microwave system design, pre-configuration, staging, local regulatory registration and more
- Fast response 24/7 support and long term product support





Radio Comparison Table



All mentioned Ethernet capacities are in 1+0 configuration full-duplex. The capacity is multiplied by number of radios in 2+0 / 3+0 / 4+0 configurations

* at 2000MHz 128QAM ** at 2x 112 MHz 4096QAM *** 491 Mbps without Header compression

	Capacity	Frequency bands	System Design	Channel bandwidth	Traffic	Configuration	Modulation (up to)
Integra-X Series	Up to 2208 Mbps	4U*, 6, 7, 8, 11, 13, 15, 18, 23, 26, 28, 30 and 38* GHz	FODU (full outdoor)	ETSI: 7, 14, 20, 28, 40, 56, 60, 112 MHz FCC: 5, 10, 20, 25, 30, 40, 50, 60, 80, 100, 112 MHz	2 x SFP+ (1, 2.5 and 10 Gbps) 1 x RJ-45 GbE (auto 10/100/1000 Mbps) w. PoE	1+0, 2+0 XPIC, 2+0 ACAP, 2+0 ACCP*, 1+1 SD*	4096 QAM
Integra-E Series	Up to 10 Gbps	71 - 76 GHz paired with 81 - 86 GHz	FODU (full outdoor)	62.5, 125, 250, 500, 1000, 2000 MHz	2 x SFP+ (1, 2.5 and 10 Gbps) 1 x RJ-45 GbE (auto 10/100/1000 Mbps) w. PoE	1+0 2+0	1024 QAM
Integra-G	Up to 491 Mbps	5.8 UL, 6, 7, 8, 11, 13, 15, 17 UL, 18, 23, 24UL, 25, 26, 28, 38 GHz	FODU (full outdoor)	ETSI: 1.75, 3,5, 7, 14, 20, 28, 40, 56 MHz FCC: 5, 10, 20, 25, 30, 40, 50, 60 MHz	2 x SFP (1 Gbps) 1 x RJ-45 GbE (auto 10/100/1000 Mbps) w. PoE	1+0, 2+0 link bonding, 1+1 HSB	2048 QAM
Integra-W	Up to 883 Mbps	6, 11, 15, 17 UL, 18, 23, 24 UL, 26, 28, 38 GHz	FODU (full outdoor)	ETSI: 40, 56, 112 MHz FCC: 40, 50, 60, 80, 100 MHz	1 x SFP (1 Gbps) 2 x RJ-45 GbE (auto 10/100/1000 Mbps) w. PoE	1+0	1024 QAM
Integra FIDU	Up to 2208 Mbps	4U*, 6, 7, 8, 11, 13 GHz	FIDU (full Indoor)	ETSI: 7, 14, 20, 28, 40, 56, 60, 112 MHz FCC: 5, 10, 20, 25, 30, 40, 50, 60, 80, 100, 112 MHz	2 x SFP+ (1, 2.5 and 10 Gbps) 1 x RJ-45 GbE (auto 10/100/1000 Mbps) w. PoE	1+0, 2+0 XPIC, 2+0 ACAP, 2+0 ACCP*, 1+1 SD*	4096 QAM
PhoeniX G2 Series	Up to 500 Mbps	2; 4; 6; 7; 8; 11; 13; 15; 18; 23; 26; 38 GHz	Split Mount/ Full Indoor	ETSI: 3.5; 7; 12; 14; 20; 28; 40; 56 MHz FCC: 5; 10; 20; 25; 30; 40; 50; 60; 80 MHz	3x10/1000Base-T, RJ-45, 2xSFP (1000BseSX/LX); Up to 64x E1/T1; Up to 16x ASI; Up to 2x STM-1/OC-3	1+0; 1+1 SD/FD/HSB; 2+0; 2+0 XPIC; 2+2	1024 QAM
CFIP Marathon II HP	34 Mbps	300-400Mhz; 1350-1517MHz	Full Indoor	0.25/0.5/ 1/1.5/ 1.75/ 2/3/3.5/4/ 5/7/8	Gigabit Ethernet 12E1/T1 Serial interfaces	1+0 1+1 2+0 3+0 4+0	128 QAM
Marathon III	Up to 1.2 Mbps	900 MHz	Full Indoor	FCC: 100/200 kHz	3x10/1000Base-T, RJ-45, 1xSFP (1000BseSX/LX)	1+0; 1+1 SD/FD/HSB two intercon-nected unit protection	1024 QAM

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