

Introduction to RADWIN 2000 Alpha INT

June 2019



Updated RADWIN 2000 PtP portfolio

Product Series	App.	Max. Aggregate Throughput	Band (GHz)	Regulation						
				FCC	IC	ETSI	WPC	MII	UNI	NCC
D+	IP	750Mbps	4.9- 6.0		●	●	●	●	●	●
C+		250Mbps (100Mbps –FCC/IC)	4.9-6.0, 3.3-3.8		●	●		●	●	
Alpha EMB		50, 200, 350 Mbps	4.9-6.0			●	●	●	●	●
Alpha INT			5.1- 5.8		●	●	●		●	●

RADWIN 2000 Alpha INT

RADWIN 2000 Alpha INT

- 4.9-5.9 GHz -ETSI, UNIVERSAL
- 5.1-5.8 GHz FCC, IC
- Capacity models
 - 50Mbps upgradable to 200Mbps
 - 200Mbps
 - 350Mbps
- Integrated 22dBi Antenna



RADWIN 2000 Alpha INT

Highly durable - IP 67 compliant

RADWIN 2000 Alpha INT - Main features:

- Based on RADWIN 2000 Field proven air-interface, including:
 - Up to QAM 256, 80MHz
 - CBW- 10/20/40/80MHz
 - Dynamic Channel BW selection 20 to 80MHz
 - Auto selection of MIMO or diversity mode
 - Full Networking as D+
 - (VLAN, QinQ, QoS)
 - Configurable DL/UL ratio – Up to 88%/12%
 - TDD/GPS Synchronization
 - Up to 40 km / 25 miles
 - Up to 140K PPS



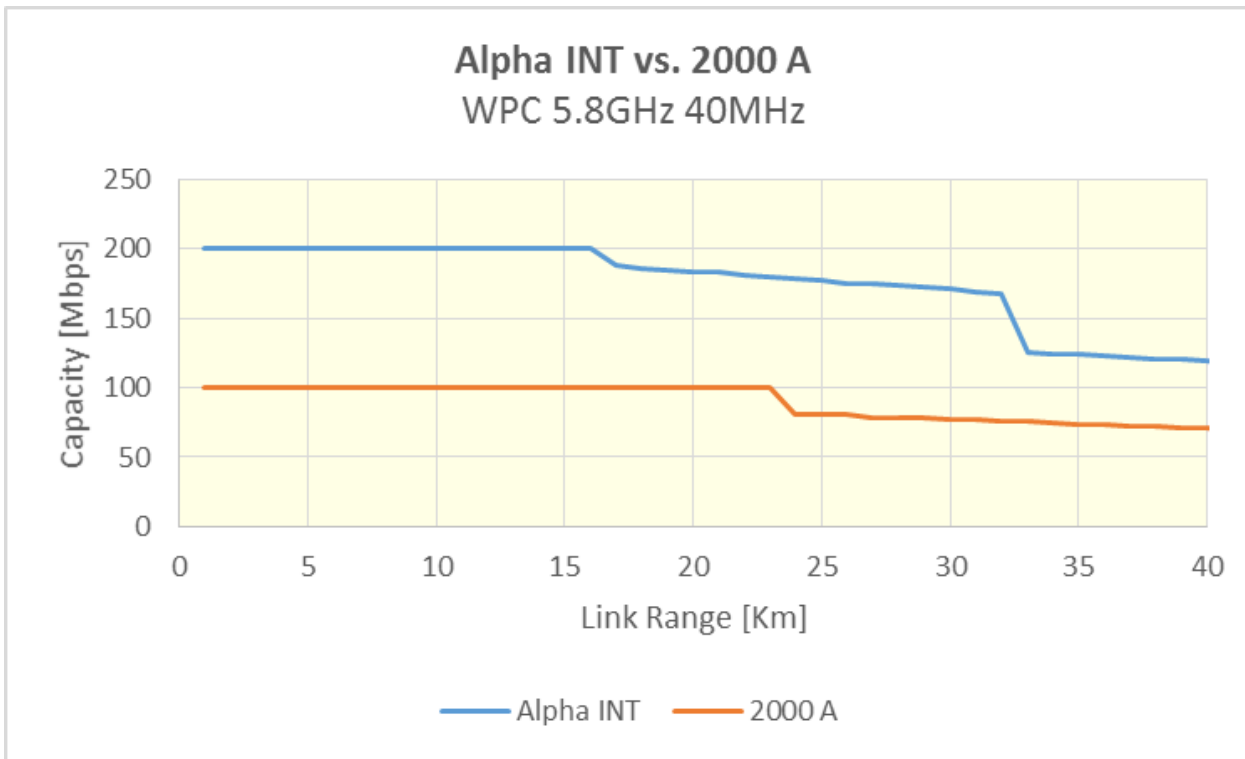
Main applications

- Wireless enterprise access
- Video surveillance connectivity
- Leased line replacement
- Building to building connectivity
- WiFi AP backhaul



RADWIN 2000 Alpha INT performance

RADWIN 2000 Alpha INT vs. RADWIN 2000 A

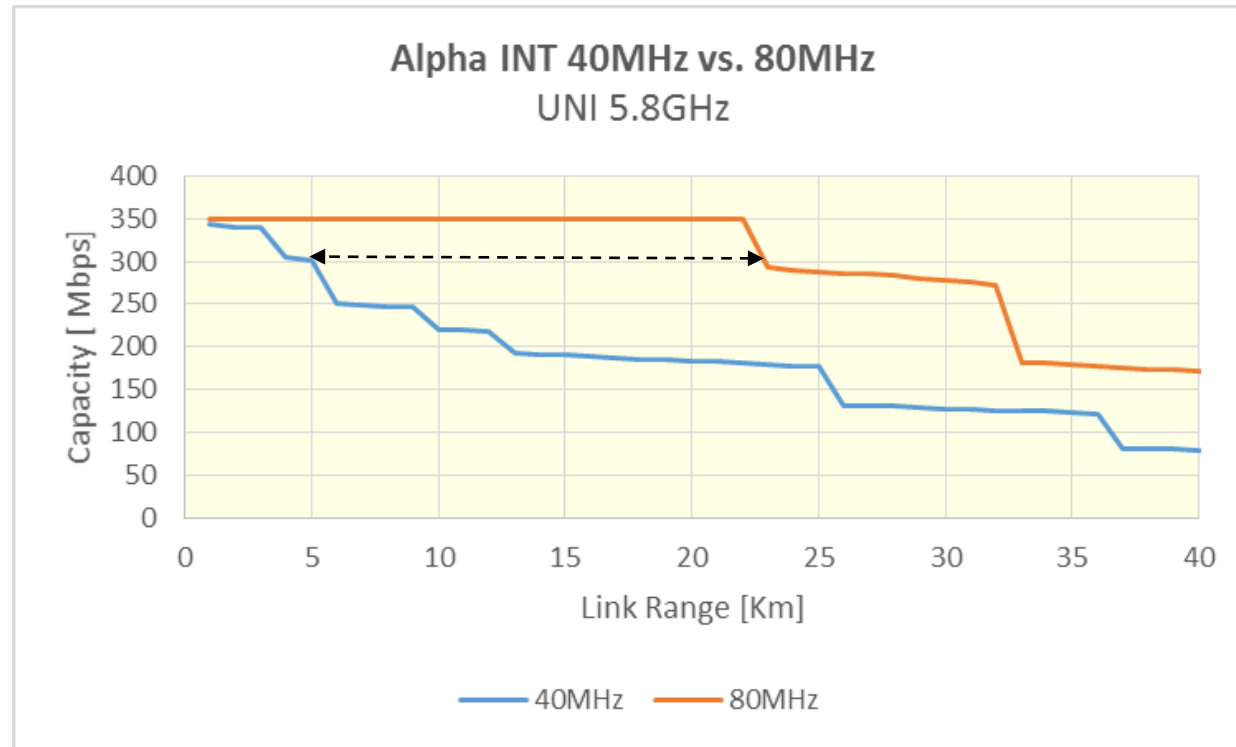


2000 Alpha advantages over 2000 A

- *More than double capacity up to 15Km*
- *Higher PPS (140K vs 100K)*

Alpha outperforms 2000 A

RADWIN Alpha INT advantages at Channel BW of 80MHz



Extending the range using 80MHz

Which PtP to use and when?

- By default use Alpha INT excluding the following cases

RADWIN 2000 product	There is a need for...
Alpha EMB	<ul style="list-style-type: none">• External antenna , Installation flexibility• Small form factor unit for low visual impact
D+	<ul style="list-style-type: none">• Net capacity above 350Mbps• One of the traffic directions needs >200Mbps• 1588v2 application• PPS > 140k is required by spec.

Supplementary slides

RADWIN 2000 Alpha INT part numbers

Regulation	Capacity	PN	Description	Upgradable to
ETSI	50Mbps	RW-2250-6H50	RW2000/ODU/Alpha/F54/ETSI/INT/50M	200Mbps
	200Mbps	RW-2250-6HB0	RW2000/ODU/Alpha/F54/ETSI/INT/200M	
	350Mbps	RW-2250-6HC5	RW2000/ODU/Alpha/F54/ETSI/INT/350M	

Supported PoEs

AC PoE

Part Number	Description
RW-9921-1021	POE-AC-GBE-24V/EU

DC PoE

Part Number	Description
RW-9921-1039	DC PoE Indoor
RW-9921-0110	DC PoE Outdoor

Capacity upgrade

- Capacity upgrade is available only from 50 -200Mbps

Part Number	Description
RW-9952-5001	Capacity upgrade from 50 Mbps to 200Mbps

RADWIN 2000 Alpha INT- Package content



- PoE is not included – shall be ordered separately