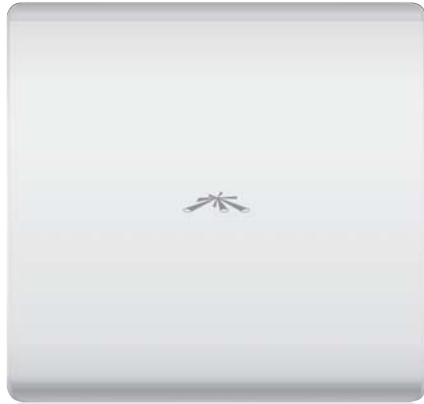


PowerBridge M365: Carrier Class 3.65GHz MIMO Bridging Solution



airMAX
MIMO TDMA Protocol

SYSTEM INFORMATION

Processor Specs	Atheros MIPS 24KC, 400MHz
Memory Information	64MB SDRAM, 8MB Flash
Networking Interface	1 X 10/100 BASE-TX (Cat. 5, RJ-45) Ethernet Interface

REGULATORY / COMPLIANCE INFORMATION

Wireless Approvals	FCC Part 90Y
RoHS Compliance	YES

OPERATING FREQUENCY 3650MHz-3675MHz

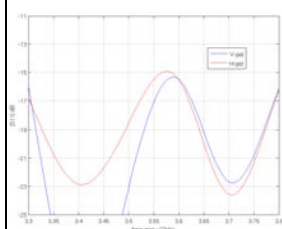
TX POWER SPECIFICATIONS				RX SPECIFICATIONS			
	DataRate	Avg. TX	Tolerance		DataRate	Sensitivity	Tolerance
AirMax	MCS0	25 dBm	+/-2dB	Airmax	MCS0	-94 dBm	+/-2dB
	MCS1	25 dBm	+/-2dB		MCS1	-93 dBm	+/-2dB
	MCS2	25 dBm	+/-2dB		MCS2	-90 dBm	+/-2dB
	MCS3	25 dBm	+/-2dB		MCS3	-89 dBm	+/-2dB
	MCS4	24 dBm	+/-2dB		MCS4	-86 dBm	+/-2dB
	MCS5	23 dBm	+/-2dB		MCS5	-83 dBm	+/-2dB
	MCS6	22 dBm	+/-2dB		MCS6	-77 dBm	+/-2dB
	MCS7	20 dBm	+/-2dB		MCS7	-74 dBm	+/-2dB
	MCS8	25 dBm	+/-2dB		MCS8	-93 dBm	+/-2dB
	MCS9	25 dBm	+/-2dB		MCS9	-91 dBm	+/-2dB
	MCS10	25 dBm	+/-2dB		MCS10	-89 dBm	+/-2dB
	MCS11	25 dBm	+/-2dB		MCS11	-87 dBm	+/-2dB
	MCS12	24 dBm	+/-2dB		MCS12	-84 dBm	+/-2dB
	MCS13	23 dBm	+/-2dB		MCS13	-79 dBm	+/-2dB
	MCS14	22 dBm	+/-2dB		MCS14	-78 dBm	+/-2dB
MCS15	20 dBm	+/-2dB	MCS15	-75 dBm	+/-2dB		

PHYSICAL / ELECTRICAL / ENVIRONMENTAL

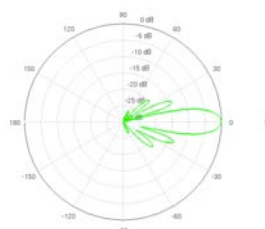
Enclosure Size	445 x 416 x 34mm
Weight	3.82kg
Enclosure Characteristics	Outdoor UV Stabilized Plastic
Mounting Kit	Pole Mounting Kit included
Max Power Consumption	8 Watts
Power Supply	24V, 1A surge portection integrated POE adapter included
Power Method	Passive Power over Ethernet (pairs 4,5+; 7,8 return)
Operating Temperature	-30C to +80C
Operating Humidity	5 to 95% Condensing
Shock and Vibration	ETSI300-019-1.4

INTEGRATED DUAL-POLARITY ANTENNA

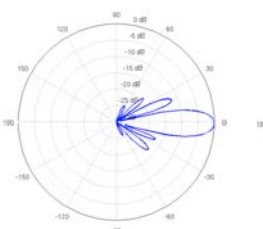
Frequency Range	3.3-3.8GHz	Max VSWR	1.5:1
Gain	17.5-19.0 dBi	H-pol Beamwidth	18 deg.
Polarization	Dual Linear	V-pol Beamwidth	18 deg.
Cross-pol Isolation	28dB minimum	Elevation Beamwidth	18 deg.



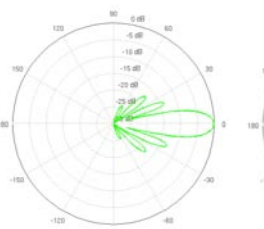
VSWR



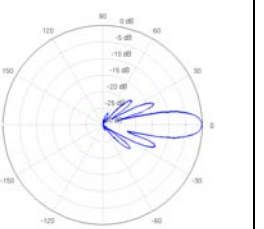
H-Pol Azimuth



H-Pol Elevation



V-Pol Azimuth



V-Pol Elevation