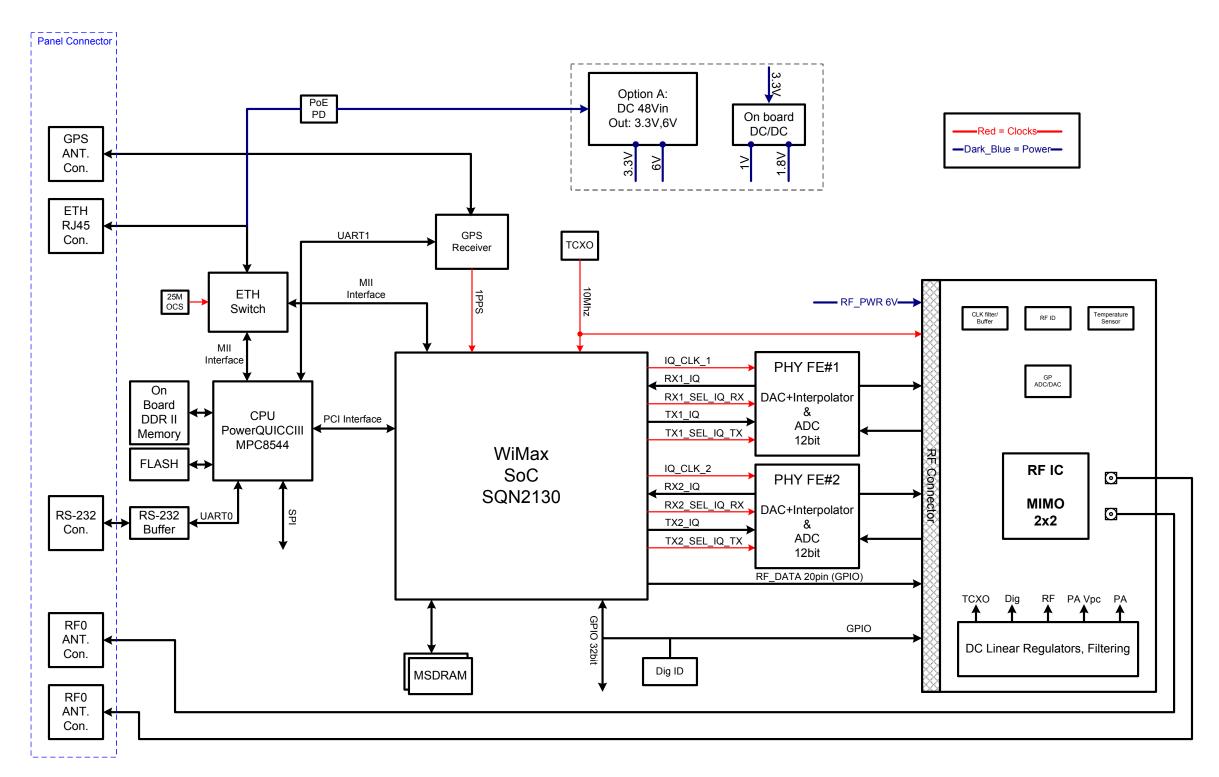
WiNetworks Ltd. FCC ID:WQE722502

BLOCK DIAGRAM



Pico Base-Station Block Diagram

Device	IC		1V	1.8V	3.3V	6V	Total Power (W)	
WiMax SoC	SQN2130	1		2	0.5		2.5	
SoC MSDRAM - 128Mb SDRAM	MT48LC4M32B2B5-7 IT:G	2			0.9		0.9	
12-Bit Mixed-Signal Front-End (MxFE®) Processor	AD9863	2			1.2		2.4	
ETH PHY	10/100 Phy	1					0.3	
CPU Power QUICC II	PPC8313E	1	1.02	0.266	0.32		1.606	
CPU DDRII - 512Mb	MT47H32M16BN-5E IT:D	2		0.44			0.88	
CPU NAND Interface Flash Memory - 128 Megabit	S30ML128P	1					0.3	
RF - MIMO 2xTx, 2xRx	PMC,SMI,TI RF IC + PA						12	RMS 8W-peak per RF
semi SUM							20.886	
PS down converters								
General: PS efficiency (80%), oring diode, temperature							5.2215	
	SUM						26.1075	

