



XTREMERange2

Carrier-Class 2.4GHz 802.11b/g Radio Module

The XtremeRange series of radio modules by Ubiquiti leverages our strong knowledge and experience gained from customer interactions, field performance evaluations, and lab research; and improves upon the original and highly successful SuperRange series of high-performance 802.11 radio cards. The XtremeRange2 represents the first true carrier-class 802.11b/g-based 2.4GHz radio module specifically designed for mesh, bridging, and infrastructure applications requiring the highest levels of performance and reliability without compromise.



Designed to Link Farther and Faster

Built to Last Outdoors in Harshest Environments

FEATURES

600mW Output Power

ESD/EMP Protection

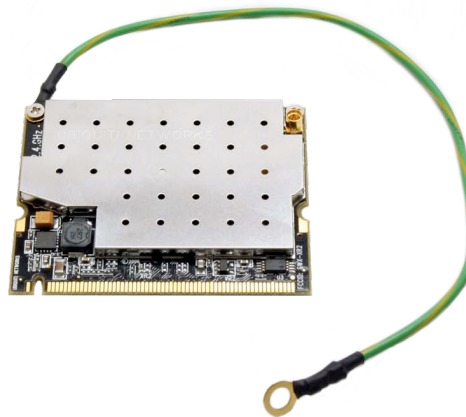
Industry-Best Sensitivity

Extended Temperature

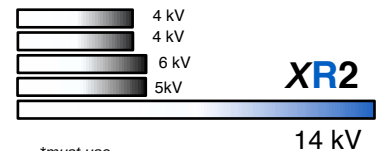
Enhanced Filtering

5/10/20/40 MHz Channels

MMCX Ant. Connector



RF ESD/EMP Immunity Threshold vs. Standard Cards



*must use included grounding cable

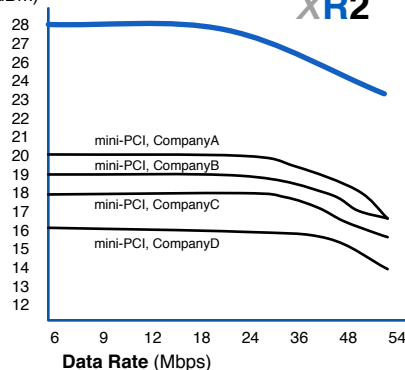
Built for Industrial / Rugged Applications

RF ESD/EMP Earth Ground Cable

Built-in HeatSink for Temperature Performance



Power, 2.4GHz (dBm)



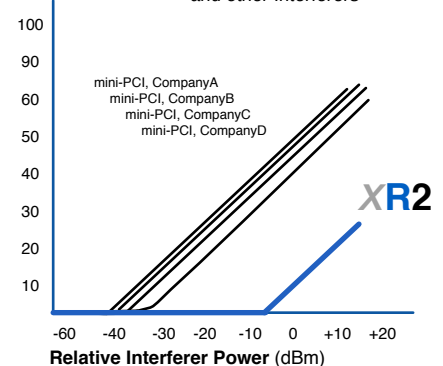
Tested with and Optimized for



Mikrotik is a trademark of Mikrotiks SIA, Latvia

1.9GHz Rejection Noise Floor Increase (dB)

Overcome Cellular Towers and other Interferers



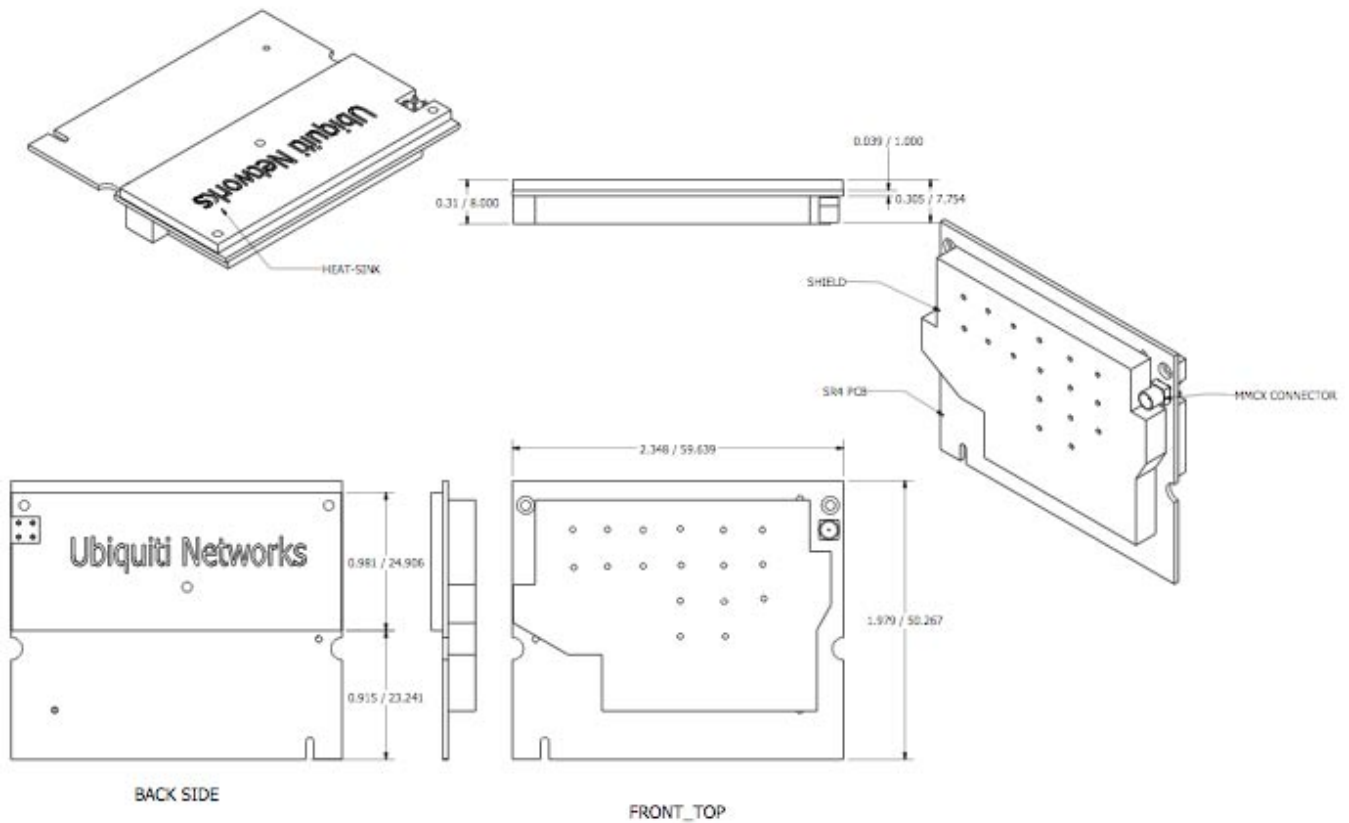
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TECHNICAL SPECIFICATIONS

CARD INFORMATION			
Chipset	Atheros, 6th Generation, AR5414		
Radio Operation	IEEE 802.11b/g, 2.4GHz		
Interface	32-bit mini-PCI Type IIIA		
Operation Voltage	3.3VDC		
Antenna Ports	Single MMCX		
Temperature Range	-45C to +90C (extended temp version up to +95C)		
Security	WPA, WPA2, AES-CCM & TKIP Encryption, 802.1x, 64/128/152bit WEP		
Data Rates	6Mbps, 9Mbps, 12Mbps, 24Mbps, 36Mbps, 48Mbps. 54Mbps		
TX Channel Width Support	5MHz / 10MHz / 20MHz / 40MHz		
RoHS Compliance	YES		
REGULATORY INFORMATION			
Wireless Modular Approvals	FCC Part 15.247, IC RS210		
RADIO OPERATING FREQUENCY 2412-2462 MHz (2312-2732 MHz*)			

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MECHANICAL DIMENSIONS



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