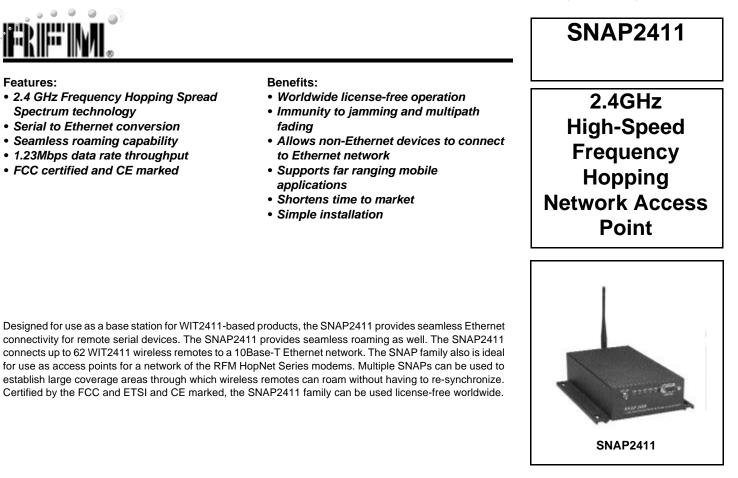
DEVELOPER KIT (Info: <u>click here</u>)



Specifications

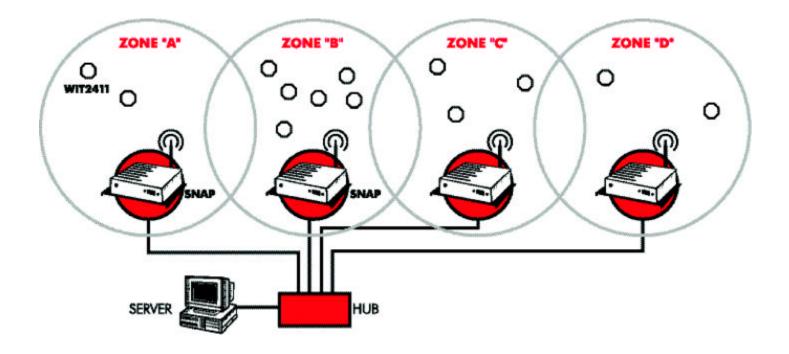
RF Frequency	2400 to 2483 MHz	
Radio Certification	Certified under FCC Part 15.247 and CE marked, license free	
Operating Range	Indoor: 450' to 900' Outdoor: 3000' with dipole antenna, >5 miles with gain antenna	
Radio Network Topology	Star network	
Radio Network Protocol	Dynamically assigned TDMA with ARQ	
Configuration Interface	Asynchronous (RS-232) up to 460 Kbps	
I/O Data Rate	10 Mbps Ethernet to the SNAP, 460 Kbps to each radio	
RF Data Rate	1Mbps	
# of Frequency Channels	75	
RF Bandwidth	750 KHz	
Transmit Power Output	+8dBm or +18dBm, software selectable	
Receiver Sensitivity	-90 dBm for 10-5 BER	
Supply voltage	9vdc	
Power Consumption	4.5W	
Size (mm)	201 x 144 x 53	
Weight	727g	
Case Material	Aluminum	
Operating Temperature	00C to 700C	
Humidity	20% to 90% (non-condensing)	

Connectors

Power	2-Pin DIN
Ethernet	RJ-45 (5 on -14,-24)
Configuration Port	DB-9
Alternate Sync IN	RJ-45
Alternate Sync OUT	RJ-45
Antenna	Reverse TNC

Indicators

Power	
Ethernet Transmit Data	
Ethernet Receive Data	
Collision	
Ethernet Link	



Ethernet Connectivity

The SNAP2411 allows limited intelligence or legacy serial devices to transmit unformatted serial data to an application residing on an Ethernet network. Each remote device can be treated as an Ethernet device by the application even though the remote device sends and receives unformatted serial data. The SNAP2411 handles all IP or port assignments as well as encapsulating and un-encapsulating unformatted data into and out of Ethernet datagrams.

Seamless Roaming

Seamless roaming allows applications to be in constant communication with remotes. Even as remotes move from one coverage area to another, constant communication is maintained.

Scalable

SNAP family members have an integral WIT2411 radio module providing 1.23Mbps throughput for up to 62 remotes. Multiple SNAPs can be deployed to provide communication for more remote devices.

Versatile

Configuration of the SNAP family is through a standard RS-232 serial port using the RFM WinSNAP24 Windows[™]-based software. Alternatively, the SNAP may be configured through a Telnet session. The system designer is given the freedom to choose the wireless communication parameters that provide the optimum performance for each application. Thus, the communication between the base station and the remotes is not 802.11b compatible. Point-to-point and point-to-multipoint modes are supported using a dynamically assigned TDMA mode.

Reliable

The SNAP2411 family provides both reliable communication and reliable operation. With Frequency Hopping Spread Spectrum technology, the SNAP provides immunity to jamming as well as immunity to multipath fading. Using Automatic Retransmit Request (ARQ) in addition to a 2K buffer, transparent error-free communication is automatic. The built-in data scrambling adds a measure of security. And reliable operation is assured through our stringent QA processes.