



# Technical Specifications

Hardware Information								
<b>CPU</b>		Qualcomm-Atheros AR9531						
<b>System Memory</b>		64MB (max 128MB DDR2 optional)						
<b>NOR Flash</b>		8MB						
<b>Power consumption</b>		2.04W(Board Only)						
<b>Antenna Connector</b>		2 x MMCX						
<b>Power Connector</b>		1 x DC JACK						
<b>LAN Connector</b>		2 x 100M LAN						
<b>Power Solutions</b>		DC Jack Input: 12-24V, Passive PoE: 24V						
<b>ROHS Compliance</b>		YES						
<b>Humidity</b>		Operating: 5% to 95% (non-condensing); Storage: Max.90% (non-condensing)						
<b>Temperature Range</b>		Operating: -20°C to 70°C; Storage: -40°C to 90°C						
<b>Reset Button</b>		Software reset, Hardware reset(Optional)						
<b>Extras</b>		Serial Port, JTAG, Surge Arrestor, Watchdog Timer						
<b>Dimension</b>		95mm x 85mm x 17mm						
Integrated Card specifications(Operating Frequency 2412-2472MHz)								
TX Specifications				RX Specifications				
802.11 g	Data Rate	TX Power		Tolerance	802.11 g	Data Rate	Sensitivity	Tolerance
		1 chain	2 chains					
		6Mbps	27dBm					
54Mbps	23dBm	26dBm	±2dB	54Mbps	-75dBm	±2dB		
802.11 N HT 20	Data Rate	TX Power		Tolerance	802.11 N HT 20	Data Rate	Sensitivity	Tolerance
		1 chain	2 chains					
		MCS0/8	27dBm					
MCS7/15	22dBm	25dBm	±2dB	MCS7/15	-73dBm	±2dB		
802.11 N HT 40	Data Rate	TX Power		Tolerance	802.11 N HT 40	Data Rate	Sensitivity	Tolerance
		1 chain	2 chains					
		MCS0/8	27dBm					
MCS7/15	22dBm	25dBm	±2dB	MCS7/15	-70dBm	±2dB		

## Ordering Information

Item Code	Processor	On-board radio	NOR Flash	Memory
DR531-NGS27	AR9531	2.4GHz	8MB	64MB