



# DataLink Communications

*Interface and Control Solutions*

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Specifications	
<b>System</b>	
CPU	32-bit 150MHz RISC Processor with MMU
Flash	2+8 MB ( 2MB for Bootloader )
RAM	32 Mbytes SDRAM
EEPROM	2 Kbytes
Watchdog	Hardware built-in
<b>Ethernet</b>	
Compliance	IEEE802.3
Port	1-port
Transmission Rate	10/100M Auto-detection
Connector	2.54 pitch pin array
Auto MDI/MDI-X	No
<b>WLAN</b>	
Compliance	IEEE802.11g/b
WEP	64-bit / 128-bit data encryption
WPA	WPA/WPA2-PSK compatible ( Supported TKIP / AES encryption )
Modulation	CCK, DQPSK, DBPSK, OFDM ( 11g )
Tx Power	11b: 15dBm / 11g: 14dBm
Rx Sensitivity	-66dBm@54Mbps / -80dBm@11Mbps
Transmission Rate	54Mbps ( max. ) with auto fallback
Transmission Distance	Up to 300 meters ( @12Mbps in open areas )

Topologies	Infrastructure, Ad-Hoc
Antenna connector	Reverse SMA
<b>Serial</b>	
Interface	3.3V TTL Interface
Ports	1-port
Baud Rate	110bps~921Kbps
Parity	None, Odd, Even, Mark, Space
Data Bits	5, 6, 7, 8
Stop Bits	1, 2
Flow Control	None, Software: Xon/Xoff, Hardware: RTS/CTS
Connector	2.54 pitch pin array
<b>Power</b>	
Input	DC 3.3V
Connector	2.54 pitch pin array
Consumption	Max. 3.63W ( Tx Mode )
<b>Approval</b>	
EMC	FCC Class A, CE Class A
<b>Environment</b>	
Operating	0°C ~ 65°C ( 32° ~ 149°F )
Storage	-40° ~ 85°C ( -40°~ 185°F ), 5 ~ 95%RH
<b>Software</b>	
Configuration	Windows utility
SDK	Linux platform library & tool chain

Support protocol	ICMP, TCP(UDP) / IP, DHCP client, DNS, NTP, SNMP, SMTP, HTTP, Telnet
<b>Package</b> <a href="#">4dBi Antenna.htm</a> <a href="#">4dBi Antenna.htm</a>	
Antenna	4dBi reverse SMA(R) x 1

<b>Option Accessories</b>	
Antenna <a href="#">option-HG055.htm</a> <a href="#">option-HG055.htm</a>	HG055: 5.5dBi reverse SMA connector with 180cm cable
<b>Ordering Information</b>	
SW1001T-WgN1	IEEE802.11g/b wireless 1-port (TTL) embedded Core-module

## **DataLink Communications**

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