

APR-3100N

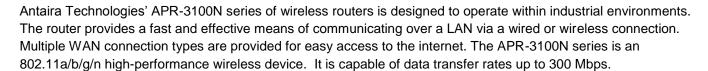
Industrial 802.11 a/b/g/n Wireless AP/VPN/Router



Features

- ► High Speed Air Connectivity: WLAN Interface Supports up to 300 Mbps Link Speed
- ► High Security Capability: WEP/WPA/WPA-PSK/WPA2/WPA2-PSK/WPA Enterprise/WPA2 Enterprise/ 802.1x / RADIUS Supported
- ► Various Kinds of WAN Connection Types Supported: Dynamic/ Static IP, PPPoE, PPTP, L2TP
- ► WAN Access Restriction by URL Address or by Key Words
- ► Supports QoS
- ► Dual Redundant Ethernet Port
- Switch Mode Support: Daisy Chain Support to Reduce Usage of Switch Ports
- ▶ Wireless Connection Status Monitoring
- ► Event Monitoring by Syslog
- ▶ IP Table to Prevent Access from Unauthorized IP Address
- ► Supports VPN Setting (IPsec, Open VPN, PPTP, L2TP)
- Supports NAT Setting (Virtual Server, Port Trigger, DMZ, UPnP)
- ►5-Year Warranty

INTRODUCTION



It is a fully manageable industrial Ethernet device that supports the standard Layer 3 Ethernet configurable settings. This product series is IP30 rated and DIN-rail mountable that provides a standard operating temperature range (-10°C to 60°C) and an extended operating temperature range (-35°C).

RADIO SPECS



	IEEE 802.11a :	54Mbps	48Mbps	36Mbps	24Mbps	18Mbps	12Mbps	9Mbps	6Mbps	
Data Rate	IEEE 802.11b:	11Mbps	5.5Mbps	2Mbps	1Mbps					
	IEEE 802.11g :	54Mbps	48Mbps	36Mbps	24Mbps	18Mbps	12Mbps	9Mbps	6Mbps	automatically
		Fallback to 5.5Mbps, 2Mbps, 1Mbps								
	IEEE 802.11n :	20MHZ	1Nss: 65Mbps @ 800GI, 72.2Mbps @ 400GI (Max.)							
			2Nss: 130Mbps @ 800GI, 144.4Mbps @ 400GI (Max.)							
			3Nss: 195Mbps @ 800GI, 216.6Mbps @ 400GI (Max.)							
		40MHz	1Nss: 135Mbps @ 800GI, 150Mbps @ 400GI (Max.)							
			2Nss: 270Mbps @ 800GI, 300Mbps @ 400GI (Max.)							
			3Nss: 405.5Mbps @ 800GI, 450Mbps @ 400GI (Max.)							
Frequency Range	IEEE802.11b/g/n:	2.412GHz ~ 2.462GHz (US & Canada)								
		2.412GHz ~ 2.472GHz (Europe)								
		2.412GHz ~ 2.484GHz (Japan)								
	IEEE 802.11a/n:	5.150 ~ 5.350 GHz,5.470 ~ 5.725GHz, 5.725 ~ 5.850 GHz (US & Canada)								
		5.150 ~ 5.350 GHz,5.470 ~ 5.725GHz, 5.725 ~ 5.875 GHz (Europe)								
		5.150 ~ 5.250 GHz,5.250 ~ 5.350GHz, 5.470 ~ 5.725GHz(Japan)								



SPECIFICATIONS

Interface	
Ethernet Port	2 x RJ45 - 10/100BaseT(X) which supports Switch Mode
Antenna Connectors	Single Radio Model: 2 x Reverse SMA
LED	Power, ACT, Fail, Ethernet Link/ACT, Signal Level
Technology	
Protocol	ICMP, IP, TCP, UDP, DHCP, BootP, ARP/RARP, DNS, SNMP MIB II, HTTPS, SNMP v1/v2, Trap, Private MIB
Transmit Power	19dBm@802.11a / 22dBm MIMO aggregate
WLAN Operation Mode	AP / VPN / Router
Modulation Techniques	OFDM: BPSK, QPSK, 16-QAM, 64- QAM DSSS: DBPSK, DQPSK, CCK
Encryption Security	WEP: 64-bit, 128-bit Key Supported WPA / WPA2: 802.11i (WEP and AES Encryption) PSK (256-bit Key Pre-shared Key Supported) 802.1x and RADIUS Supported TKIP Encryption
Wireless Security	SSID Broadcast Disable, 3 x Virtual Access Points, MAC Address Filter
Frequency Range	
IEEE 802.11 b/g/n	2.412GHz ~ 2.462GHz (US & Canada) 2.412GHz ~ 2.472GHz (Europe) 2.412GHz ~ 2.484GHz (Japan) 5.150 ~ 5.350 GHz,5.470 ~ 5.725GHz, 5.725 ~ 5.850 GHz (US & Canada)
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Power Requirement	

Present

6 Watts

Built-in 1.5KV Magnetic Isolation

12 ~ 48VDC in 6-Pin Terminal Block

Mechanical CharacteristicsHousingMetal, IP30 protectionDimensions46 x 155 x 115 mm (1.81 x 6.10 x 4.53 in.)WeightUnit Weight: 1.68 lbs. Shipping Weight: 2.0 lbs					
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weight 2.0 lbs					
Mounting DIN-Rail mounting, wall mounting (optional)					
Environmental Limits					
Operating STD: -10° to 60° C;					
Temperature EOT: -35° to 70° C					
Storage -40°C ~ 90°C					
Ambient Relative Humidity 5 to 95%, (non-condensing)					
Regulatory Approvals					
EMI FCC Class A					
Free Fall IEC60068-2-32					
Shock IEC60068-2-27					
Vibration IEC60068-2-6					
Green RoHS Compliant					
Certifications FCC					
Warranty 5 Years					

ORDERING INFO

Protection

Protection

Power Input

Reverse Polarity

Power Consumption

APR-3100N	Industrial 802.11a/b/g/n wireless AP / VPN / Router			
APR-3100N-T	Industrial 802.11a/b/g/n wireless AP / VPN / Router, with EOT: -35° C to 70° C			
Optional Accessories				
DR-45-24	45W Industrial Din Rail Power Supply			
DR-75-24	75W Industrial Din Rail Power Supply			
SDR-120-24	120W Industrial Din Rail Power Supply			