



Industrial Access Point

HIDRAWIFI

Model Name	HIDRAWIFI000000
Network Interface	
Connector	RJ45
Speed	IEEE802.3u, 10/100/1000 Mbps
Power characteristics	
Input Voltage	9VDC - 48VDC
Input Current(9VDC)	0.65A
Power Consumption	Approx. 5.85W (max)
Reverse Polarity Protection	Yes
Connector	pin Lockable Terminal Block
Mechanicals	
Protection Rating	IP30
Dimensions(W X H x D)	47 X 110 X 90 mm
Weight	500g
Installation	DIN-Rail, wall mount (optional kit)
Reset Button	Yes
WPS / Wi-Fi Direct Button	Yes
Environment	
Operating Temperature	-10°C ~ 60°C (14°F ~ 140°F)
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
Ambient Relative Humidity	5 ~ 95% RH, (non-condensing)
Hardware characteristics	
Watchdog	Hardware built in
Ethernet Switch & PHY	IEEE802.3ab 1000 Base-T
Software features	



Operation Modes	AP, WDS Hybrid, AP Client
Wireless Security	WEP, WPA, WPA2, TKIP, AES, 802.1x
Network Security	Client Isolation, Firewall / Filtering, Turn off Radio
Alerts Event	E-mail / SNMP Trap
Supported Protocols	ICMP, TCP, UDP, DHCP Server/Client, DNS, SNMP, NTP, SMTP, HTTP, IPv4, 802.1x, RADIUS, STP, WPS, Syslog
Regulatory requirements	
EMS - EMC	EN55032, EN55024, EN 301489-1 V2.2.0; EN301489-17 V3.2.0; FCC 15B (Class A), CNS 13438
Radio	FCC 15C 15.247, FCC 15E 15.407, EN 301893 V2.1.1, EN 300328 V2.1.1, NCC LP00002
EMF	EN 62311: 2008, EN 50385: 2002
Test	
Safety	UL60950-1/CB, EN60950-1, IEC/EN 62368-1, CNS 14336-1
Shock	IEC 60068-2-27
Freefall	IEC 60068-2-32
Vibration	IEC 60068-2-6
MTBF	15 years (MIL-HDBK-217F)
RoHS	Yes
Wireless	
Wireless PCI-e Module	Atheros AR9382
Tx / Rx	2T2R MIMO (2x2 with MCS 0-15)
Standard Conformance	802.11a, 802.11b, 802.11g, and 802.11n
Operating frequency	
2.4Ghz	
United States (FCC)	2412-2462(20Mhz)/2422-2452(40Mhz)
Europe (ETSI)	2412-2472(20Mhz)/2422-2462(40Mhz)
Taiwan (NCC)	2412-2462(20Mhz)/2422-2452(40Mhz)



5GHz	
United States (FCC)	5180-5240, 5745-5825(20Mhz)/5190-5230, 5755-5795(40Mhz)
Europe (ETSI)	5180-5240(20Mhz)/5190-5230(40Mhz)
Taiwan (NCC)	5280-5320, 5745-5825(20Mhz)/5310, 5755-5795(40Mhz)
Data rate	
802.11a	6, 9, 12, 18, 24, 36, 48, 54 Mbps
802.11b	1, 2, 5.5 and 11Mbps
802.11g	6, 9, 12, 18, 24, 36, 48, 54Mbps
802.11n	20MHz bandwidth: 1Nss: 65Mbps @ 800GI, 72.2Mbps @ 400GI (Max.) 40MHz bandwidth: 1Nss: 135Mbps @ 800GI, 150 Mbps @ 400GI (Max.)
Antenna (2.4 GHz)	
Gain	3 dBi
Connector	SMA(R) Female
Output Power	
802.11b	+14dBm
802.11g	+17dBm @ 6, 9, 12,18,24Mbps / +17dBm @ 36Mbps / +16dBm @ 48Mbps / +16dBm @ 54Mbps
802.11n 2.4GHz/HT20	+16dBm @ MCS 0 +16dBm @ MCS 4 +16dBm @ MCS 1 +16dBm @ MCS 5 +16dBm @ MCS 2 +16dBm @ MCS 6 +16dBm @ MCS 3 +15dBm @ MCS 7
802.11n 2.4GHz/HT40	+15dBm @ MCS 0 +15dBm @ MCS 4 +15dBm @ MCS 1 +15dBm @ MCS 5 +15dBm @ MCS 2 +15dBm @ MCS 6 +15dBm @ MCS 3 +14dBm @ MCS 7
Antenna (5 GHz)	
Gain	5 dBi
Connector	Dual SMA(R) Female
Output Power	



802.11a	+15dBm @ 6, 9, 12, 18, 24Mbps / +15dBm @ 36Mbps / +14dBm @ 48Mbps / +12dBm @ 54Mbps
802.11n 5GHz/HT20	+15dBm @ MCS 0/8 +15dBm @ MC4/12 +15dBm @ MCS 1/9 +11 - 14dBm @ MCS 5/13 +15dBm @ MCS 2/10 +9 - 12dBm @ MCS 6/14 +15dBm @ MCS 3/11 +7 - 10dBm @ MCS 7/15
802.11n 2.4GHz/HT40	+14dBm @ MCS 0/8 +15dBm @ MCS 1/9 +14dBm @ MCS 2/10 +14dBm @ MCS 3/11 +14dBm @ MCS 4/12 +10 – 13 dBm @ MCS 5/13 +8 - 11dBm @ MCS 6/14 +6 - 9dBm @ MCS 7/15