

# HWRD600 Series

## MU-MIMO 802.11n Industrial Access Point

### Features

- IEEE 802.11b/g/n compliant
- 2.4GHz 28dBm aggregate power
- Distance Adjustment for long range transmission
- IP30 Metal Enclosure
- Push-Button Reset
- Dynamic DNS
- Ping Watchdog
- Auto Reboot Service
- Support AP Mass Management Software via SNMP Protocol



### Applications

802.11g/n + 802.11a/n/ac AP

Point to Point / Point to Multi-Point/ Coverage/ CPE

Design for Hard-to-Wire Industrial Application

### Specifications

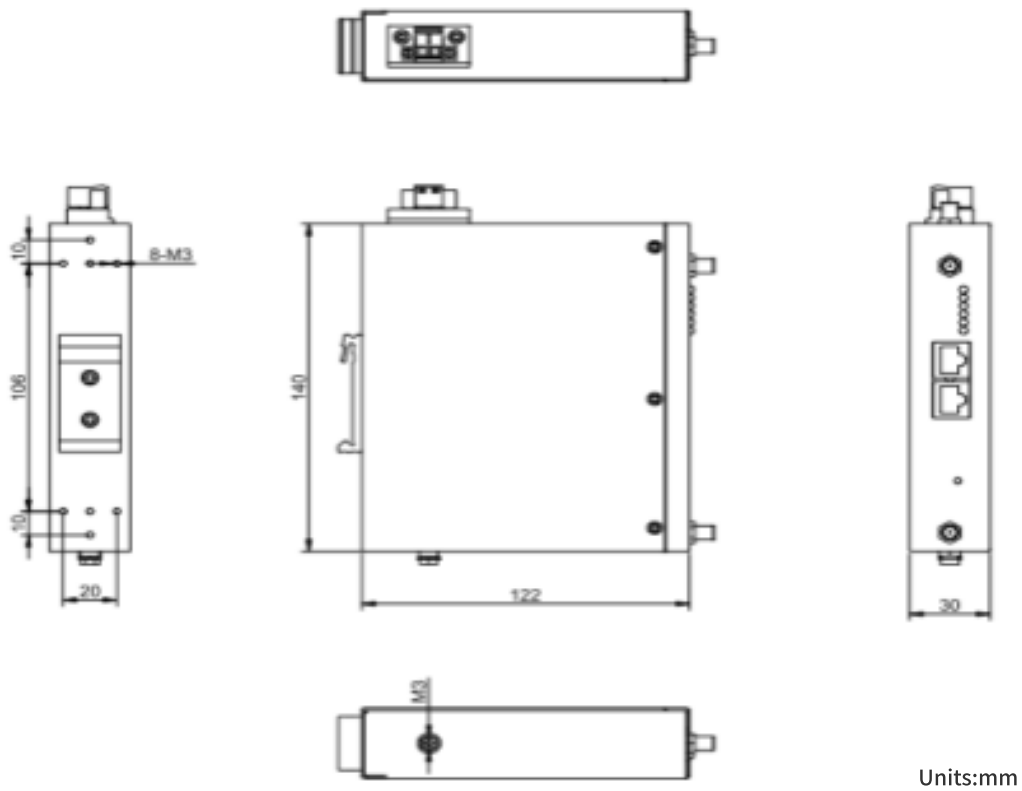
System Memory	128MB DDR2
NOR Flash	16MB
Antenna	Based on Applications
Interface	2x Gigabit Port (Auto MDI-X)
LED	7 LEDs total, Power, LAN1, LAN2, Signal LED 1,2,3,4
Power over Ethernet	Passive PoE 24-56V or IEEE 802.3af/at PoE on LAN0
DC Power	1x DC Jack Connector
Power Consumption	8.6W(Max)
Certification	RoHS Compliance
Environmental	Temperature: Operating: Operating: -20~70°C, Storage: -40~90°C, Humidity (non-condensing): Operating: 5% to 95%, Storage: Max. 90%
Enclosure Type	IP30
Dimensions	30X140X122mm
Other Features	Surge Suppressor, Watchdog Timer

## RF Performance Table

	Data Rate	TX Power(per chain)	TX Power(2 chains)	Tolerance
2.4GHz 802.11b	1Mbps	28dBm	33dBm	±2dB
	5.5Mbps	28dBm	33dBm	±2dB
	11Mbps	28dBm	33dBm	±2dB
2.4GHz 802.11g	6Mbps	30dBm	35dBm	±2dB
	9Mbps	30dBm	35dBm	±2dB
	12Mbps	30dBm	35dBm	±2dB
	18Mbps	30dBm	35dBm	±2dB
	24Mbps	30dBm	35dBm	±2dB
	36Mbps	28dBm	33dBm	±2dB
	48Mbps	27dBm	32dBm	±2dB
	54Mbps	26dBm	31dBm	±2dB
2.4GHz 802.11n HT20	MCS 0	30dBm	33dBm	±2dB
	MCS 1	28dBm	33dBm	±2dB
	MCS 2	28dBm	33dBm	±2dB
	MCS 3	28dBm	33dBm	±2dB
	MCS 4	27dBm	32dBm	±2dB
	MCS 5	26dBm	31dBm	±2dB
	MCS 6	25dBm	30dBm	±2dB
	MCS 7	24dBm	29dBm	±2dB
2.4GHz 802.11n HT40	MCS 0	29dBm	34dBm	±2dB
	MCS 1	27dBm	32dBm	±2dB
	MCS 2	27dBm	32dBm	±2dB
	MCS 3	27dBm	32dBm	±2dB
	MCS 4	26dBm	31dBm	±2dB
	MCS 5	25dBm	30dBm	±2dB
	MCS 6	24dBm	29dBm	±2dB
	MCS 7	23dBm	28dBm	±2dB
	Data Rate			Tolerance
2.4GHz 802.11b	1Mbps			±2dB
	5.5Mbps			±2dB
	11Mbps			±2dB

2.4GHz 802.11b	6Mbps	±2dB
	9Mbps	±2dB
	12Mbps	±2dB
	18Mbps	±2dB
	24Mbps	±2dB
	36Mbps	±2dB
	48Mbps	±2dB
	54Mbps	±2dB
2.4GHz 802.11n HT20	MCS 0	±2dB
	MCS 1	±2dB
	MCS 2	±2dB
	MCS 3	±2dB
	MCS 4	±2dB
	MCS 5	±2dB
	MCS 6	±2dB
	MCS 7	±2dB
2.4GHz 802.11n HT40	MCS 0	±2dB
	MCS 1	±2dB
	MCS 2	±2dB
	MCS 3	±2dB
	MCS 4	±2dB
	MCS 5	±2dB
	MCS 6	±2dB
	MCS 7	±2dB

## Dimension Drawings



## Ordering Information

HWRD600

2.4G Single Channel 23dBm, up to 28dBm (11ac wave 1); -20