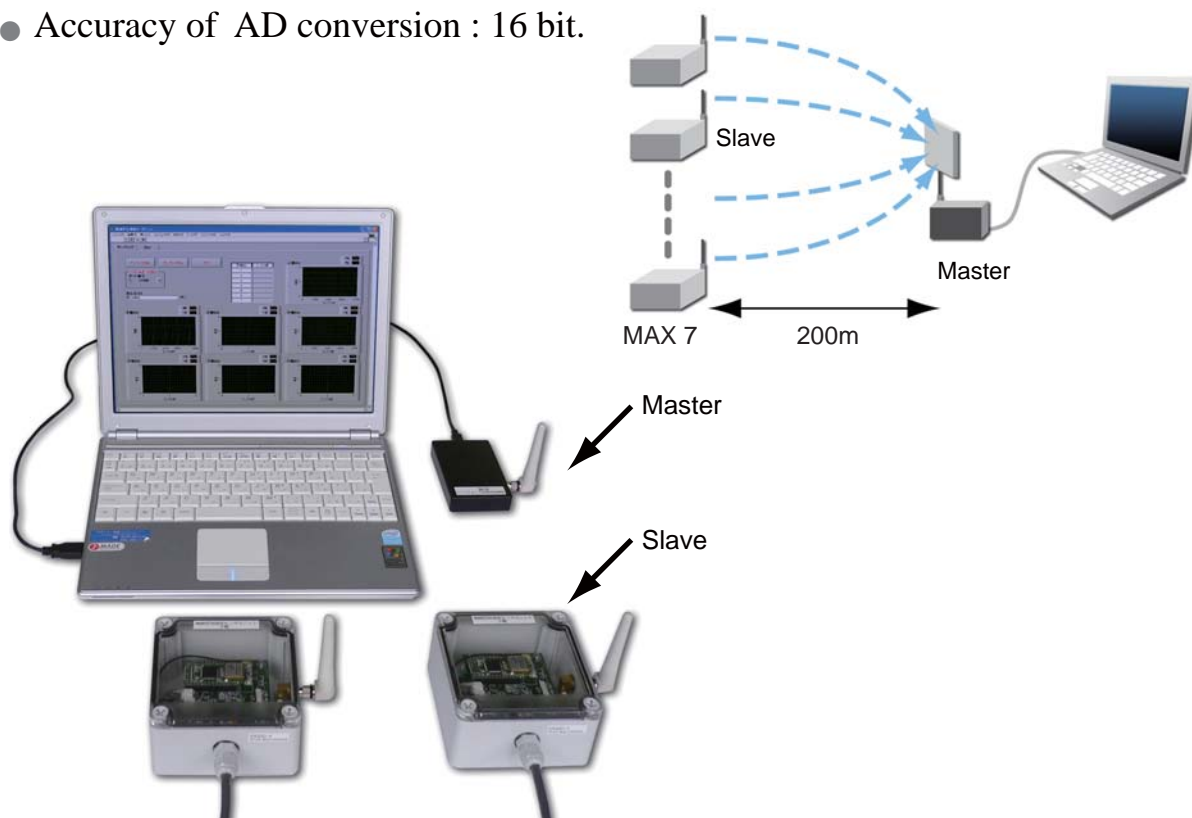


Wireless 2 Axis Accelerometer

Type : WTM-500

WTM-500 Characteristic

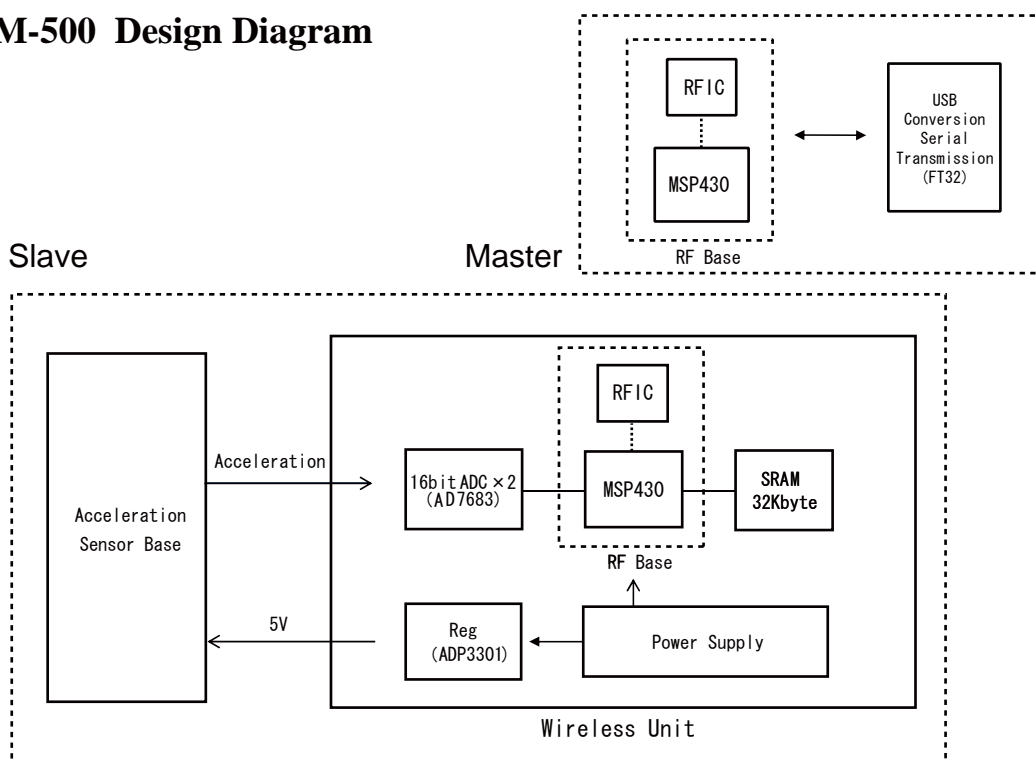
- Suited for a low frequency vibration measurement of the structural health monitoring.
- Two axis acceleration measurement of X,Y is possible .
- Transmission range : 250 m.
- Number of slave : Max 7.
- Accuracy of AD conversion : 16 bit.



WTM-500 Specification of Master

No	ITEM	SPECIFICATION
1	Certification	-
2	Specification of Wireless Lan	IEEE 802.15.4
3	Protocol	Original
4	Transmission Output	5dbm Max
5	Wireless Lan Channel	16ch 2405MHz~5MHz Step
6	Antenna	External Antenna
7	Transmission Range	250m (Open Area)
8	Power Supply	5V (From USB)
9	Interface	USB (Mini B)
10	Outer Dimension	58×18×95mm
11	Operating Temperature	-20°C~50°C

WTM-500 Design Diagram



WTM-500 Specification of Slave

No	ITEM	SPECIFICATION
1	Accelation Sensor	ADL 203 × 2
2	Sensor Input	2ch 0~2V
3	Sampling Frequency	100Hz / 1ch
4	AD Accuracy	16bit
5	Transmission Rate	100Hz × 2ch × 16Bit × 30s (Interval 30s)
6	Certification	-
7	Specification of Wireless Lan	IEEE 802.15.4
8	Protocol	Original
9	Transmission Output	5dbm Max
10	Wireless Lan Channel	16ch 2405MHz~5MHz Step
11	Antenna	External Antenna
12	Transmission Range	250m (Open Area)
13	Power Supply	12VDC (External Supply)
14	Power Output for Sensor	5V ± 1% 20mA
15	Consumption Current	Max 40mA at 12V
16	Outer Dimension	100 × 100 × 60 mm
17	Operating Temperature	-20°C ~ 50°C