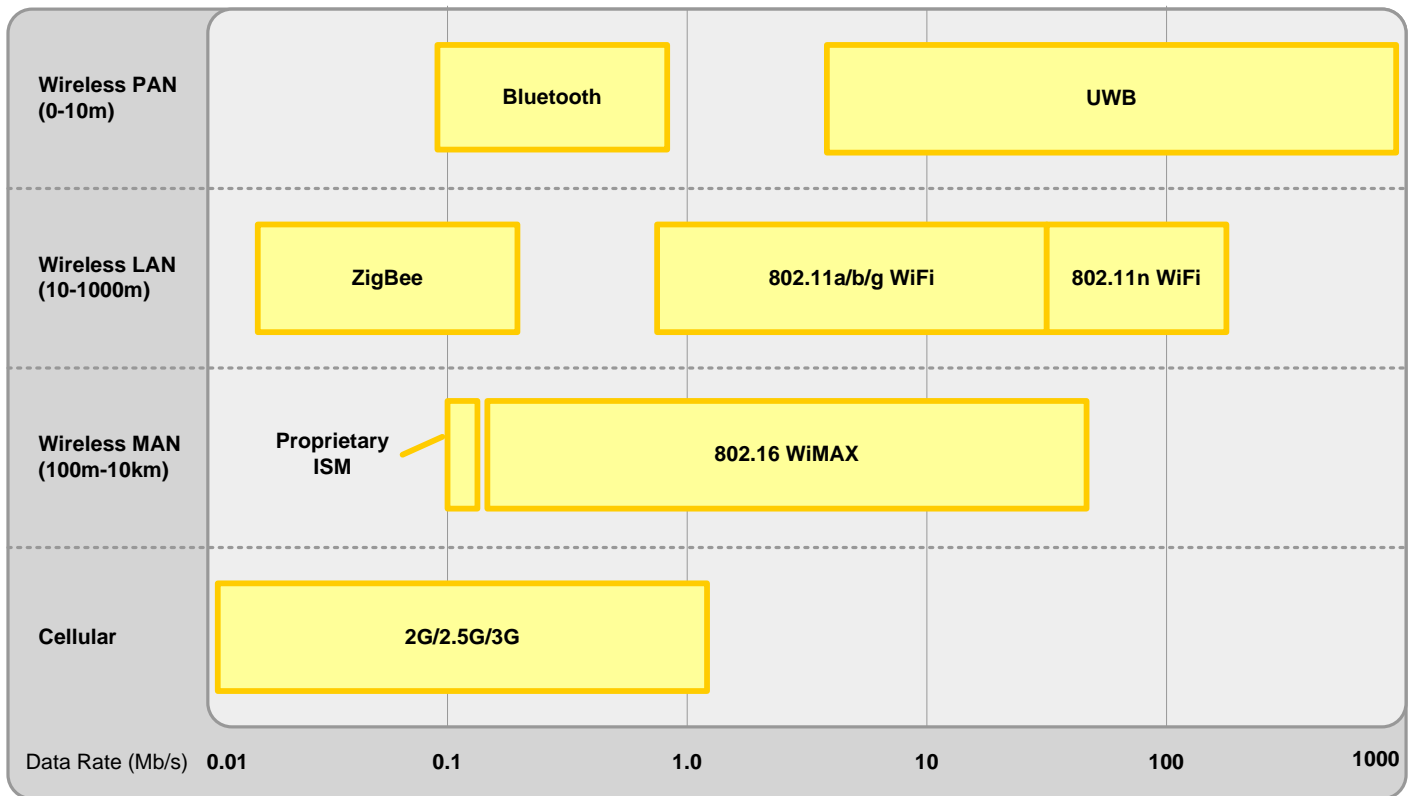


Wireless Technology Comparison



	Bluetooth	UWB	ZigBee	802.11a/b/g	802.11n	Proprietary	802.16a	2G/2.5G/3G
Typical Range	< 10m	10-30m	70-300m	100m	100m	10km	50km	Cellular Network
Modulation	Adaptive FHSS	OFDM or DS-UWB	DSSS	DSSS	DSSS	FHSS	QAM	CDMA/GSM/AMPS
Freq. Range	2.4GHz	3.1-10.6GHz	868/915MHz 2.4GHz	2.4GHz -b/g 5.8GHz - a	2.4GHz	915MHz & 2.4GHz	2-11GHz	869-894MHz
Network	P2P	P2P	Mesh	IP & P2P	IP & P2P	P2P	IP	IP
IT Network Connectivity	No	No	No	Yes	Yes	No	Yes	Yes
Cost of Data	Free	Free	Free	Free	Free	Free	Free	Monthly Charge
Application	Cable replacement	Sync and Transmission of video/ audio data	Sensor networks	LAN, Internet	LAN, Internet	Point to point connectivity	Metro area broadband Internet connectivity	Cellular telephones and telemetry