






This comparison was updated 06 March 2016 and all features apply to the current firmware versions of our devices. For further information please refer to our device manuals or just ask me a question at [info@microsat.com.pl](mailto:info@microsat.com.pl)

	<b>WX3in1 Plus 2.0</b> 	<b>WX3in1 Mini</b> 	<b>PLXDigi</b> 	<b>PLXTracker</b> 	<b>WXEth</b> 
Housing	Aluminium (Combiplast)	Plastic (Hammond)	Plastic (Gainta)	Plastic (Gainta)	Plastic (Hammond)
PCB	2-layer (Elpin PCB)	2-layer (Elpin PCB)	2-layer (Elpin PCB)	2-layer (Elpin PCB)	2-layer (Elpin PCB)
Dimensions	126x99x43mm	92x66x28mm	94x50x25mm	94x50x25mm	92x66x28mm
Weight	270g	100g	70g	70g	100g
Microcontroller	512KB flash / 64 KB RAM Cortex-M3	256KB flash / 48 KB RAM Cortex-M3	64KB flash / 20 KB RAM Cortex-M3	128KB flash / 20 KB RAM Cortex-M3	256KB flash / 48 KB RAM Cortex-M3
Real-time clock	Yes	Yes	Yes	No	Yes
RS-232 port	Yes (2 ports)	Yes (1 port)	Yes (2 ports)	Yes (2 ports)	Yes (1 port)
RS-485 port	Yes	Yes	Yes	Yes	No
Ethernet port	Yes	Yes	No	No	Yes
Radio port	Yes	Yes	Yes	Yes	No
Thermometer port	Yes (DS18B20 or DS18S20)	No	No	No	No
Input voltage measurement	Yes	Yes	Yes	Yes	No
APRS packet RX	Yes (1200/AFSK, 9600/GMSK)	Yes (1200/AFSK)	Yes (1200/AFSK)	Yes (1200/AFSK)	No
APRS packet TX	Yes (1200/AFSK, 9600/GMSK)	Yes (1200/AFSK)	Yes (1200/AFSK)	Yes (1200/AFSK)	No
APRS beacons	Yes	Yes	Yes	Yes	No
APRS position reports	Yes (static or dynamic from external GPS)	Yes (static or dynamic from external GPS)	Yes (static)	Yes (dynamic from external GPS + SmartBeaconing)	No
APRS digipeater	Yes (New-N with path/callsign/area filters)	Yes (New-N with path/callsign/area filters)	Yes (New-N with path/callsign/area filters)	Yes (simple callsign alias)	No
APRS-IS beacons	Yes	Yes	No	No	Yes
APRS-IS position reports	Yes (static or dynamic from external GPS)	Yes (static or dynamic from external GPS)	No	No	Yes (static)
RF → APRS-IS I-Gate	Yes	Yes	No	No	No
APRS-IS → RF forwarding	Yes (with filters and message support)	Yes (with filters and message support)	No	No	No
KISS via RS-232	Yes	Yes	No	No	No
KISS via TCP/IP	Yes (RF->TCPIP)	Yes (RF->TCPIP)	No	No	No
APRS-IS simple server feature	Yes	No	No	No	No
Weather station support	Yes	Yes	Yes	Yes	Yes
GPS support	Yes	Yes (via cable adapter)	No	Yes	No
Bluetooth support	Yes	Yes (via cable adapter)	No	No	No
WUnderground service support	Yes	Yes	No	No	Yes
Telemetry module support	Yes (WXTelemetry and WXBits)	Yes (WXTelemetry and WXBits)	Yes (WXTelemetry and WXBits)	Yes (only WXTelemetry)	No

NTP time synchronization	Yes	Yes	No	No	Yes
WWW access	Yes	Yes	No	No	No
Telnet access	Yes	Yes	No	No	Yes
Remote TFTP upgrade	Yes (firmware + configuration)	Yes (firmware + configuration)	No	No	No (possible in later updates)