Trimble MCS Portfolio



	JUNO T41 C, X	JUNO T41 G	JUNO T41 S	JUNO T41 R	NOMAD 1050	RANGER 3	YUMA 2	KENAI	PG200
SYSTEM SPECIFICATIONS									
Operating System	Windows Embedded Handheld 6.5 or Android 4.1	Windows Embedded Handheld 6.5 or Android 4.1	Windows Embedded Handheld 6.5 or Android 4.1	Windows Embedded Handheld 6.5 or Android 4.1	Windows Embedded Handheld 6.5	Windows Embedded Handheld 6.5	Windows 7 Professional	Windows 10 Professional	N/A
Processor	1 GHz Texas Inst. DM3730	1 GHz Texas Inst. DM3730	1 GHz Texas Inst. DM3730	1 GHz Texas Inst. DM3730	1.0 MHz Texas Instruments processor	800 MHz ARM Cortex-A8 processor	1.6 GHz Intel Atom processor	1.46 GHz Intel Bay Trail dual-core processor	Texas Inst. OMAP-L138
Memory (RAM)	512 MB	512 MB	512 MB	512 MB	512 MB	256 MB	4 GB DDR3	8 GB DDR3 DRAM	64 MB
Data Storage	16 GB	32 GB	32 GB	32 GB	8 GB	8 GB	64 GB and 128 GB	128 GB & 256 GB	N/A
Display Size (diagonal)	4.3 In. (10.9 cm)	4.3 In. (10.9 cm)	4.3 In. (10.9 cm)	4.3 In. (10.9 cm)	3.5 In. (8.9cm)	4.2 In. (10.7 cm)	7 In. (17.8 cm)	10.1 In. (26 cm)	N/A
Compass & Accelerometer	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A
Display Resolution	480 x 800 Pixels (WVGA)	480 x 800 Pixels (WVGA)	480 x 800 Pixels (WVGA)	480 x 640 Pixels (VGA)	480 x 640 Pixels (VGA)	480 x 640 Pixels (VGA)	1024 x 600 Pixels (WSVGA)	1920 x 1200 Pixels (WUXGA)	N/A
Display Technology	Transflective with LED	Transflective with LED	Transflective with LED	Transflective with LED	Transmissive with LED	Transmissive with LED	Transflective (Direct Sunlight Readable)	Direct Sunlight Readable in full-color	N/A
Weight (Including Battery)	13.5 oz (.4kg)	16.69 oz (.48kg)	16.69 oz (.48kg)	16.69 oz (.48kg)	1.3 lb (0.60 kg)	2.3 lb (1.04 kg)	2.6 (1.2 kg) standard battery; 3.0 lb (1.4kg) extended battery	1.6 kg (3.5 lb) standard battery; 1.8 kg (4 lb) extended battery	187g/0.4lb
Battery Life (standard, default settings)	10 hours /18 hours with external battery pack	9 hours /16 hours with external battery pack	9 hours /16 hours with external battery pack	9 hours /16 hours with external battery pack	15 hours	30 hours	5+ hours with standard battery; 10+ hours with extended battery	5+ hours with standard battery; 10+ hours with extended battery	10+ hours
RUGGED SPECIFICATIONS									
Ingress Protection (Dust & Water)	IP65 or IP68	IP65 or IP68	IP65 or IP68	IP65 or IP68	IP68		IP67	IP65	IP65
MIL-STD-810 F/G Shock/Drop	Juno, Nomad 900, Nomad 1050, Ranger, Kenai, Yuma 2: 38 drops from 1.2 m (4 ft.) PG200: 1.2 m (4 ft.) to plywood over concrete (non-operating)								
MIL-STD-810 F/G Vibration	Juno, Nomad 900, Nomad 1050, Ranger, Kenai, Yuma 2: General Minimum Integrity test for 1 hour per axis; Vibration and Loose cargo test for .5 hours per axis PG200: MIL-STD-810G Method 514.5 Procedure I Category 24								
MIL-STD-810 F/G Altitude	Decompression at 2,000 feet per minute from 15,000 ft at 23 °C (73 °F) to 40,000 ft at -30 °C (-22 °F) PG200: 12,192 m (40,000 ft) (storage), 9,000 m (29,520 ft) (operating)								
MIL-STD-810 F/G Operating Temp	Juno, Nomad 900, Nomad 1050, Ranger: -30 °C to 60 °C (-22 °F to 140 °F) Kenai: -30 °C to 55 °C (-22 °F to +130 °F) Yuma 2: -20 °C to +60 °C (-4 °F to +144 °F) PG200: -20 °C to +60 °C (-4 °F to +140 °F)								
MIL-STD-810 F/G Storage Temp	Juno, Nomad 900, Nomad 1050, Ranger, Kenai, Yuma 2: -40 °C to 70 °C (-40 °F to 158 °F) PG200: -30 °C to +70 °C (-22 °F to +158 °F)								
MIL-STD-810 F/G Temperature Shock	Juno, Nomad 900, Nomad 1050, Ranger, Kenai, Yuma 2: -30 °C/+65 °C (-22 °F/149 °F)								
MIL-STD-810 F/G Humidity	Juno, Nomad 900, Nomad 1050, Ranger, Kenai, Yuma 2: 90% relative humidity temperature cycle 0 °C/+70 °C (32 °F/158 °F) PG200: 95% non-condensing								

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USER INTERFACE									
PDA keypad	Yes	Yes	Yes	Yes	Choice of either PDA or Numeric	No	Yes	Yes	N/A
Numeric (Qwerty) Keypad	No	No	No	No	Choice of either PDA or Numeric	Yes	No	No	N/A
Integrated Barcode	No	No	1D/2D Imager	Camera Scanner	1D/2D Imager	Optional	No	No	N/A
Integrated RFID	No	No	No	Yes	Optional UHF RFID reader accessory	Optional	No	No	N/A
Audio Jack	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N/A
Languages Supported	10	10	10	10	10	6	33	33	N/A
CONNECTIVITY SPECIFICATIONS									
Compact Flash Slot	No	No	No	No	No	No	No	Yes	No
Secure Digital (SD/SDHC) Slot	1, microSD	1, microSD	1, microSD	1, microSD	microSD or SDIO, varies by model	1	0	0	No
USB Client	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
USB Host	Optional accessory	Optional accessory	Optional accessory	Optional accessory	Yes	Yes	Yes (2)	Yes (2)	No
Serial RS-232 9-Pin Port	Optional accessory	Optional accessory	Optional accessory	Optional accessory	Optional	1	Optional accessory	Yes	No
Integrated Bluetooth	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Integrated Wireless LAN	Yes	Yes	Yes	Yes	Optional	Yes	Yes	Yes	No
Integrated Mobile Broadband	Optional	Optional	Optional	Optional	Optional: dual mode GSM & CDMA	Optional: choice of GSM or CDMA	Optional: dual mode GSM & CDMA	Optional: dual mode 4G LTE GSM & CDMA	N/A
Integrated Phone	Yes	Optional	Optional	Optional	No	No	No	No	N/A
Integrated Camera	Yes 8 MP	Yes 8 MP	Yes 8 MP	Yes 8 MP	Optional 5 MP	Optional 5 MP	Yes 5 MP	Yes 8 MP	N/A
GPS Accuracy w SBAS	1-2 m or 2-4 m	1-2 meter	1-2 m or 2-4 m	1-2 m or 2-4 m	2-4 meter	2-4 meter	2-4 meter with 1-2 meter option	2-4 meter	< 1m
Port for External GPS Antenna	Yes, MCX port	Yes, MCX port	Yes, MCX port	Yes, MCX port	No	No	Optional accessory	Yes	Yes (SMB Female)

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