

BOARD	TR-2S	TR-3S	TRE-3S	TRE-DUO-IMU	TRE-QUATTRO
Channels	874	874	874	874	864
GPS	L1 C/A, L1C(P+D), TMBOC, P1, P2, L2C(L+M), L5(I+Q)	L1 C/A, L1C(P+D), TMBOC, P1, P2, L2C(L+M), L5(I+Q)	L1 C/A, L1C(P+D), TMBOC(6,1,4/33), P1, P2, L2C(L+M), L5(I+Q)	L1 C/A, L1C(P+D), P1, P2, L2C(L+M), L5(I+Q)	L1 C/A, L1C(I+Q), P1, P2, L2C(L+M)
GLONASS	L1 C/A, P1, P2, L2C, L3(I+Q)	L1 C/A, P1, P2, L2C, L3(I+Q)	L1 C/A, P1, P2, L2C, L3(I+Q)	L1 C/A, P1, P2, L2C, L3(I+Q)	L1 C/A, P1, P2, L2C
GALILEO	E1(B+C), CBOC, E5A(I+Q), E5B(I+Q), AltBoc, E6(B+C)	E1(B+C), CBOC, E5A(I+Q), E5B(I+Q), AltBoc, E6(B+C)	E1(B+C), CBOC(6,1,1/11), E5A(I+Q), E5B(I+Q), AltBoc, E6(B+C)	E1(B+C), E5A(I+Q), E5B(I+Q), AltBoc, E6(B+C)	E1(B+C)
BEIDOU	B1, B1C(P+D), TMBOC, B2B(I+Q), B2, B2A(I+Q), AltBoc, B3	B1, B1C(P+D), TMBOC, B2B(I+Q), B2, B2A(I+Q), AltBoc, B3	B1, B1C(P+D), TMBOC(6,1,4/33), B2B(I+Q), B2, B2A(I+Q), AltBoc, B3	B1, B1-2, B1C(P+D), B5A(I+Q), B2, B5B(I+Q), B3	B1, B1R, L1C(I+Q)
QZSS	L1 C/A, L1C(P+D), TMBOC, L2C(L+M), L5(I+Q), L6(L61/L62), L1S, L1Sb, L5S	L1 C/A, L1C(P+D), TMBOC, L2C(L+M), L5(I+Q), L6(L61/L62), L1S, L1Sb, L5S	L1 C/A, L1C(P+D), TMBOC(6,1,4/33), L2C(L+M), L5(I+Q), L6(L61/L62), L1S, L1Sb, L5S	L1 C/A, L1C(P+D), TMBOC, L2C(L+M), L5(I+Q), L6, L1S, L1Sb, L5S	L1 C/A, L1C(I+Q), L2C(L+M), SAIF
NavIC (IRNSS)	L5, S-Band	L5, S-Band	L5, S-Band	L5, S-Band	-
SBAS	L1, L5(P+D)	L1, L5(P+D)	L1, L5(P+D)	L1, L5	L1
J-Star (L-Band)	1525-1560 MHz	1525-1560 MHz	1525-1560 MHz	1525-1560 MHz	-
IMU	-	-	External	Y	Y
Size (mm)	55 x 40 x 11	66 x 57 x 11	66 x 57 x 11	100 x 80 x 14	100 x 120 x 14
Weight (g)	20	30	30	87	130
Power (W)	1.4, 1.5, 2.0, 2,3	1.4, 1.5, 2.0, 2,3	3.7-3.9, 4.4-4.6 3.8-4.0, 4.2-4.4 4.3-4.5, 4.9-5.1 4.7-4.9, 5.1-5.6	4.0 (Typ.)	7.2
Onboard non-removable memory for data storage	16GB	16GB	up to 16GB	up to 64GB	up to 16GB
High speed RS232 serial ports (up to 460.8 Kbps)	1	1	2	2	2

High speed configurable RS232/RS422 serial ports (up to 460.8 Kbps)	2	2	2	2	2
High speed UART port (up to 460.8 Kbps)	-	-	-	-	1
High speed USB 2.0 device port (480 Mbps)	1	1	1	2	1
Full-duplex 10BASE-T/100BASE-TX Ethernet port	-	-	1	1	1
CAN port	1	1	2	2	2
IRIG timecode output	-	1	1	1	1
1 PPS output synchronized to GPS or UTC	1	1	2	2	2
Event Marker input	1	1	2	2	2
External Reference Frequency Input/Output	-	-	-	Y	-
On-board power supply input voltage	+4.5 to +40 Volts	+4.5 to +40 Volts	+4.5 to +40 Volts	+4.5 to +40 Volts	+6 to +40 Volts
The central pin of the antenna connector outputs to power LNA	+5 VDC	+5 VDC	+5 VDC	+5 VDC	+5 VDC
Digital connector	Micro Header 2x20 pos, 0.050" pitch.	Micro Header 2x20 pos, 0.050" pitch.	64-pin DIN41612 type B Right Angle, AMP p/n 536052-5	64-pin DIN41612 type B Right Angle, AMP p/n 536052-5	64-pin DIN41612 type B Right Angle, AMP p/n 536052-5