aparian

XPosition

EtherNet/IP External GPS Gateway

NMEA to Logix

Precision GPS Interface

Dual Antenna Devices

Positioning & Velocity

Accuracy Reporting

Satellite Diagnostics

DIN Rail Mount

Easy to configure

The XPosition Module provides an interface to high accuracy positioning equipment which can be used across a range of position sensitive applications. Any NMEA Ethernet device can be interfaced to the Logix (ControlLogix and CompactLogix) family of controllers.



The module uses an external GPS receiver to provide accurate position information. The external GPS or inertial navigation device provides various accuracy estimates allowing the user to make informed decisions for high precision position and velocity applications.

The XPosition can also be interfaced with dual antenna receivers and in so doing provide the additional Yaw, Tilt and Heading data.

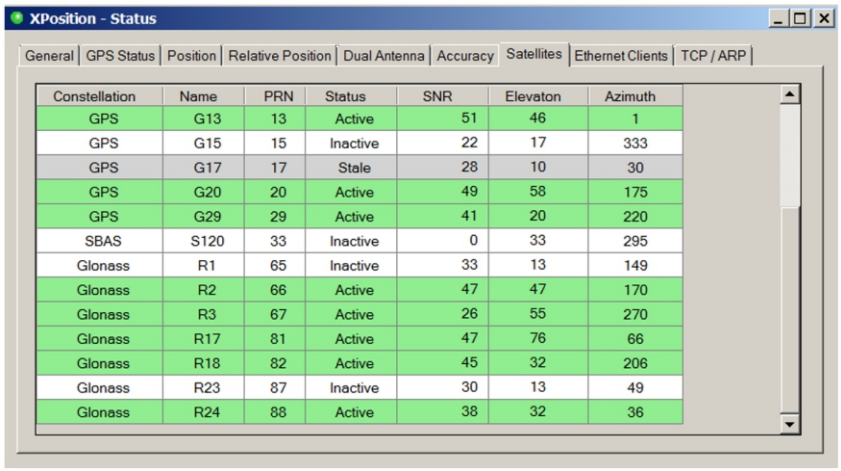
A built-in webserver provides detailed diagnostics of system configuration and operation, including the display of GPS time, position, and velocity.



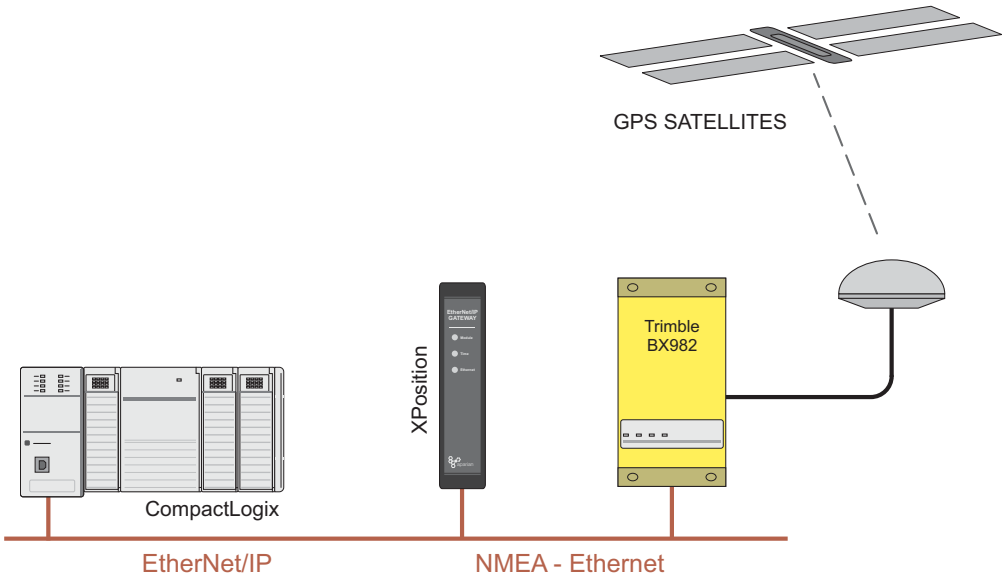
XPosition
A-XGPS

Applications

The XPosition module can be used in a wide variety of mobile applications. Positioning and velocity information can be used either for monitoring or in collision avoidance systems.



Constellation	Name	PRN	Status	SNR	Elevaton	Azimuth
GPS	G13	13	Active	51	46	1
GPS	G15	15	Inactive	22	17	333
GPS	G17	17	Stale	28	10	30
GPS	G20	20	Active	49	58	175
GPS	G29	29	Active	41	20	220
SBAS	S120	33	Inactive	0	33	295
Glonass	R1	65	Inactive	33	13	149
Glonass	R2	66	Active	47	47	170
Glonass	R3	67	Active	26	55	270
Glonass	R17	81	Active	47	76	66
Glonass	R18	82	Active	45	32	206
Glonass	R23	87	Inactive	30	13	49
Glonass	R24	88	Active	38	32	36



Specifications

c UL us LISTED
CL 1 DIV 2 GRP A,B,C,D
E494895

Parameter	Rating
Power requirements	10 - 28 VDC (70mA @ 24VDC)
Operating temperature	-20 - 70 °C
Ethernet	10/100 Mbps, Full/Half Duplex, Auto-MIDX
NMEA Support	NMEA-0183
NMEA Messages	AVR, BPQ, GGA, GSA, GST, GSV, HDT, RMC, ROT, VTG, ZDA

Aparian Inc.
24 Twain Str
Irvine,
CA, 92617

Tel. (949) 445 4109
sales@aparian.com
www.aparian.com

aparian