

ATC300-1000



Rack Mount Controller

- Manages RET antennas and AISG TMAs remotely over a network
- Provides one AISG and six SMB ports on one controller
- Supports up to 32 antenna line devices depending on cable configuration and power consumption
- Accepts either -48 Vdc or +24 Vdc
- For indoor use only

OBSOLETE

This product was discontinued on: June 1, 2017

Product Classification

Product Type RET controller

General Specifications

AISG Alarm Relays	Major Minor
AISG Input Connector	8-pin DIN Female
AISG Input Connector Quantity	1
Auxiliary Interface	Serial RS-232 DB9 Female
Color	Black
EU Certification	CB CE
Modem Interface	SMB Female
Modem Interface Quantity	6
Network Interface	Ethernet RJ45
Network Protocol	Internet Protocol
Rack Type	EIA 19 in
Rack Units	1
Remote Control Capability	HTTP SNMPv2c

Dimensions

Height	43.18 mm 1.7 in
Width	482.6 mm 19 in

ATC300-1000

Depth	205.7 mm 8.098 in
Electrical Specifications	
Input Voltage	+24 Vdc -48 Vdc
Output Current at Voltage, continuous	1.6 A @ 24 V
Output Current at Voltage, maximum	2.0 A @ 24 V
Output Voltage, typical	24 V
Electromagnetic Compatibility (EMC)	CFR 47 Part 15, Subpart B, Class A EN 55022 EN 55024 EN 61000-4-2 EN 61000-4-3 EN 61000-4-4 EN 61000-4-5 EN 61000-4-6 EN 61000-4-8 ETS 300 386 V1.3.2 2003 ICES-003 Issue 4 CAN/CSA-CEI/IEC CISPR 22:02
Interface Protocol Signal	Data dc
Power Consumption, idle state	5 W
Power Consumption, maximum	70 W
Protocol	AISG 1.0 AISG 1.1 AISG 2.0

ATC300-1000

Interface Port Drawing



Material Specifications

Material Type	Aluminum extrusion
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Environmental Specifications

Operating Temperature	-20 °C to +55 °C (-4 °F to +131 °F)
Relative Humidity	5%–95%, non-condensing
Climatic Sequence Test Method	IEC 60068-2-14
Cold Exposure Test Method	IEC 60068-2-1
Damp Heat Exposure Test Method	IEC 60068-2-30, Test Condition Db
Heat Exposure Test Method	IEC 60068-2-2

ATC300-1000

Operating Altitude	-100 meters to 3,000 meters
Packaged Product Shock Test Method	ASTM D4169 GR-63-CORE, Section 4.1.1

Packaging and Weights

Included	Control unit Ethernet crossover cable RS 232 serial cable Site configuration worksheet
Weight, net	1.6 kg 3.527 lb

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

* Footnotes

Modem Interface	The AISG signal from the modem interface is modulated onto a 2.176 MHz subcarrier. This modulated signal would be scrambled by a smart bias tee and blocked by a passive bias tee. The dc 2.1 bias tee must be used because it passes both dc and subcarrier.
Remote Control Capability	Provides for remote tilt reading and site setting, commissioning remote firmware upgrades, alarm notifications, and remote site maintenance and administration.