

# 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

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

## Dimensions

<b>Height</b>	43.18 mm   1.7 in
<b>Width</b>	482.6 mm   19 in

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**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

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## Interface Port Drawing



## Material Specifications

**Material Type** Aluminum extrusion

## Environmental Specifications

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

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

## Packaging and Weights

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

## Regulatory Compliance/Certifications

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

## \* Footnotes

<b>Modem Interface</b>	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.
<b>Remote Control Capability</b>	Provides for remote tilt reading and site setting, commissioning remote firmware upgrades, alarm notifications, and remote site maintenance and administration.