



RTU

Device Features

- Rugged Body
- Micro Processor Based
- SNMP Based Monitoring
- RS232/485 Based Monitoring
- Extended capability to monitor & control
  - Analogue (AI/AO)
  - Digital Inputs(PFC, No-NC, Relays)
- High Availability
- 3rd Party Integration

**Athenta's 2<sup>nd</sup> generation RTU** is miles ahead of the other leading RTU's available today in the market. Its capability to handle multiple protocols, while deciding to act on a business process, whenever need be, is unparalleled. The black box can be used for countering industrial protocols, TCP/IP, along with the IEC set of protocols. It can maneuver up to 300 GB of Data, with instantaneous information from the RTU itself at any point of time. Athenta RTU is built on the AES platform like the other Athenta tools, providing fast and economical solutions even in the brown field or legacy environments

Athenta RTU is an exceptionally rugged, embedded with a controller for operating in harsh environments. Its -20 to 70°C temperature range allows it to operate outdoors in hot and humid summer days or cold winter nights. It can take vibrations up to 5 GRMS.



**Athenta RTU Helps You**

- Ambience Management- HVAC(High as well as Low Side), Temperature, Humidity, CO2 & other gases.
- Water Management - Water Tanks, Pumps, STP etc.
- Sensor Monitoring- Various sensors such as motion, flow, level sensor etc.
- Safety-Fire Alarm Systems, VESDA, WLD, Safety Rodent Repellents
- Power Management- Grids, Substation Buildings, Remote Locations
- Security/Surveillance- CCTV, NVR, DVR
- Renewable Energy- Solar/Wind Infrastructure monitoring
- High Availability Service is an extended feature which enables RTU Services to be in operation-mode 24x7 without disrupting operation Monitoring Services.





## Highlights

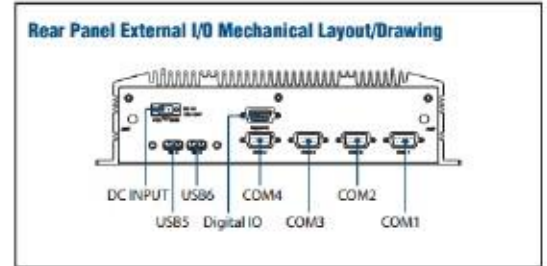
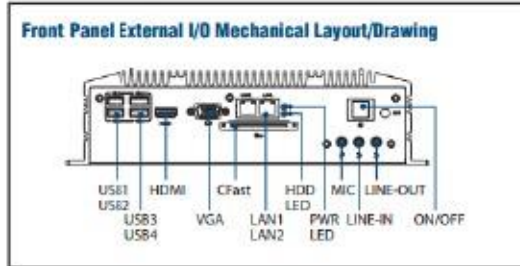
- Ports
- Flash Socket
- USB
- RS232/RS485
- Gigabit Ethernet
- Audio Jack
- Mouse & Keyboard
- PS2 Connector
  
- Optional: 32DI /8DO
- card extended upto 3072 I/Os

System Core	
Processor	Intel® Atom™ D2550 1.86 GHz CPU
Chipset	Intel Atom D2550 + Intel NM10
BIOS	AMI 16 Mbit Flash BIOS
Memory	2 GB DDR3 667 MHz 1x240 pin SO-DIMM module DIMM
I/O Interface	
Ethernet	2 x 10/100/1000 Mbps Intel 82567V GbE, Support Wake on LAN
Serial Port	1x RS-232/422/485 by BIOS setting
	3x RS-232 by BIOS setting
USB	6x USB 2.0 ports
Mini-PCIe	1x Half-size mini PCIe
KB/MS	1x PS/2 keyboard and 1x PS/2 mouse
Power Supply	
Power Input	12 - 24 V <sub>DC</sub>
Power Adapter	AC to DC, DC12 V/3.42 A, 65 W
Storage Devices	
SATA HDD	Support one SATA 2.5" HDD
Compact Flash	Supports CompactFlash socket for type I/II CompactFlash disk (only available for T-Parts and CTOS service )
Mechanical	
Dimensions	133.8 x 43.1 x 94.2 mm (5.27" x 1.70" x 3.71")
Weight	0.7 kg (1.55 lbs)
Mounting	Support DIN Rail / VESA / Wall mounts (Optional)
Environmental	
Operating Temperature	0°C to 45°C or (w/ CF or SSD)
Safety Certification	UL,CCC,BSMI
Storage Temperature	-40°C to 85°C (w/ CF or SSD)
Shock During Operation	30Grms, IEC 60068-2-27 , half sine, 11 ms duration
Humidity	~95% @ 40°C (non-condensing)
Vibration	Operating, 5 Grms, 5-500 Hz, 1hr/axis (w/ CF or SSD)500
Performance Specifications	
MTBF	150,000 hours



Environmental

- ROHS Compliant
- Shock Operating, 100 G, half-sine 11 ms duration (w/ CF or SSD)
- EMC CE
- FCC Class A
- EN50081-2
- UL Listed



Features	Description
<b>Facility Infra Management</b>	Manage the Power, HVAC systems, Safety & Security Devices with ease.
<b>Multiple Communication Channels</b>	Communicates on digital inputs/outputs, analogue signals, serial port communication( RS232/422/485) , LAN/WAN, GPRS, wireless etc.
<b>Multi- Protocol Support</b>	Supports SNMP, Modbus, Bacnet and other industrial Ethernet protocols. Also facilitates management support for Smart Processor based appliances through Agents.
<b>Event and Alarm Management</b>	Capture anomaly conditions through advanced event correlations and thresholds. Also, event actions can be triggered based on these anomalies or time based schedules.
<b>Scalability</b>	Monitor up to 240 services or elements
<b>User Friendly</b>	Unlike RTUs from other vendors, Athenta S Series RTU is very user friendly. It can be pre-configured as well as remotely configured through LAN/WAN/GPRS apart from standalone configuration facility. It is provided with web-browser support.
<b>Add-On Modules</b>	<b>Signal Aggregator:</b> This is an ADD-ON CARD with RTU for Analogue and Digital Input – Output interface. It is used to interface the field equipment by extending their digital/analogue outputs through RTU to central appliance.

About Athenta

Athenta is an Infrastructure Management product company that offers state of the art, next generation products for comprehensively &&cohesively managing all aspect of your Infrastructure – IT, Building, Industrial Controls and Energy.

Athenta Products help to optimize operational expenses, enhance customer experience, improve profitability & reduce your carbon footprint, in a cost-efficient manner.

For more information:

[www.athenta.com](http://www.athenta.com)

Email: [info@athenta.com](mailto:info@athenta.com)