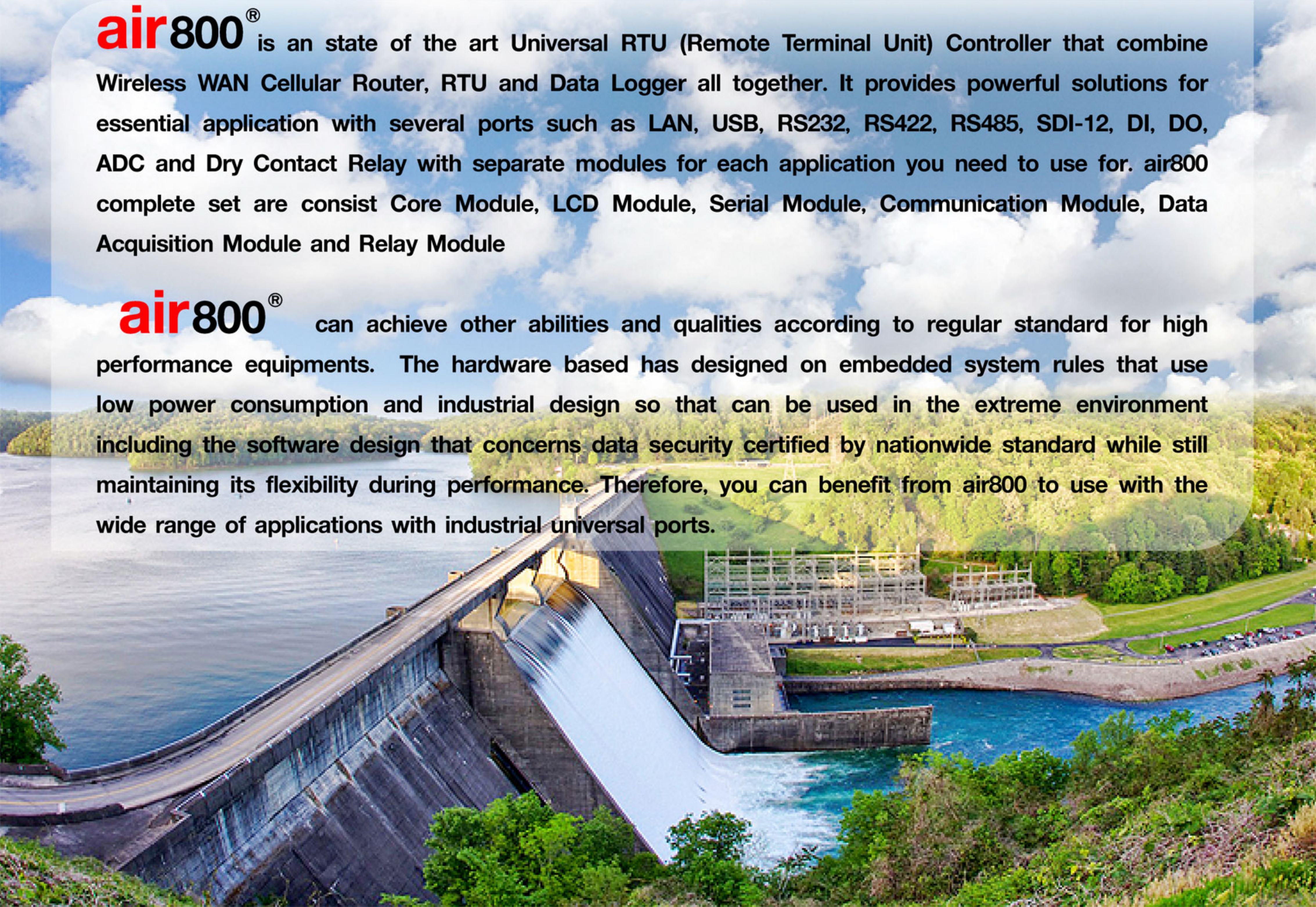




air800[®] is an state of the art Universal RTU (Remote Terminal Unit) Controller that combine Wireless WAN Cellular Router, RTU and Data Logger all together. It provides powerful solutions for essential application with several ports such as LAN, USB, RS232, RS422, RS485, SDI-12, DI, DO, ADC and Dry Contact Relay with separate modules for each application you need to use for. air800 complete set are consist Core Module, LCD Module, Serial Module, Communication Module, Data Acquisition Module and Relay Module

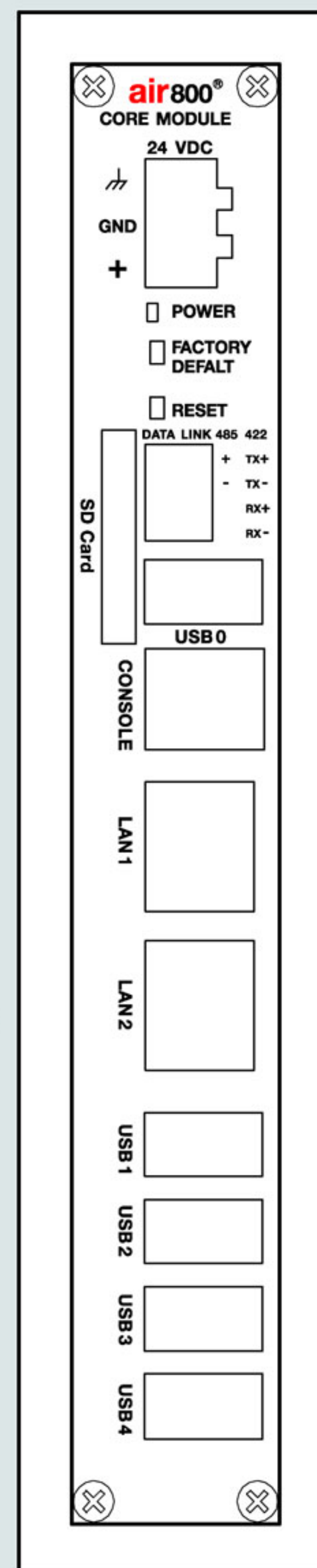
air800[®] can achieve other abilities and qualities according to regular standard for high performance equipments. The hardware based has designed on embedded system rules that use low power consumption and industrial design so that can be used in the extreme environment including the software design that concerns data security certified by nationwide standard while still maintaining its flexibility during performance. Therefore, you can benefit from air800 to use with the wide range of applications with industrial universal ports.



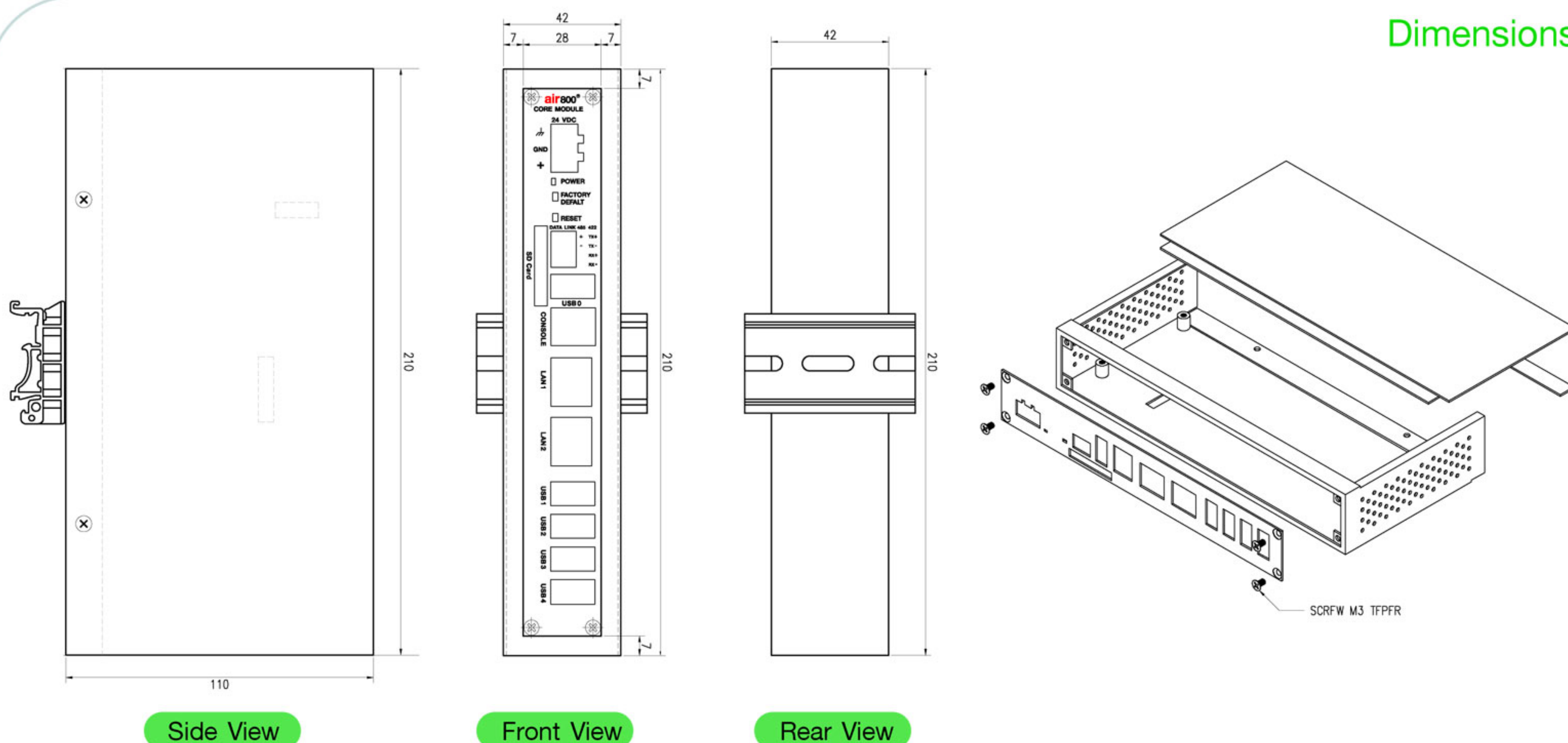


air800® Core Module Technical Data

- CPU 32-bit RISC Processor
- 2 x LAN Port 10/100
- 5 x USB Port
- 1 x RS485 for Data Link to Another Module
- 1 x Console Port
- Real Time Clock
- Protocol Support :
 - ▶ DHCP
 - ▶ NAT Static and Dynamic
 - ▶ TCP Port Forwarding
 - ▶ Dynamic Routing : RIPv2, OSPF, BGP, Multicast
 - ▶ Tunnel : IPIP, GRE (Multiple Tunnel Support and 10 Tunnel Included), GRE Keepalive, L2TP Compression
 - ▶ IPSec : AES and 3DES
- Management and Configuration
 - ▶ SNMP V1, V2
 - ▶ Command Line and Web based
- Power Input 24 VDC nominal (Support Range 9 to 36 VDC)
- Power Consumption 300 mA @ 24 VDC
- Operation Temperature -10°C to 65°C
- Storage Temperature -40°C to 85°C
- Ambient Relative Humidity 5 to 95% (non-condensing)
- Dimension (WDH) 42 x 110 x 210 mm
- Weight 720 g.
- DIN Rail Mounting

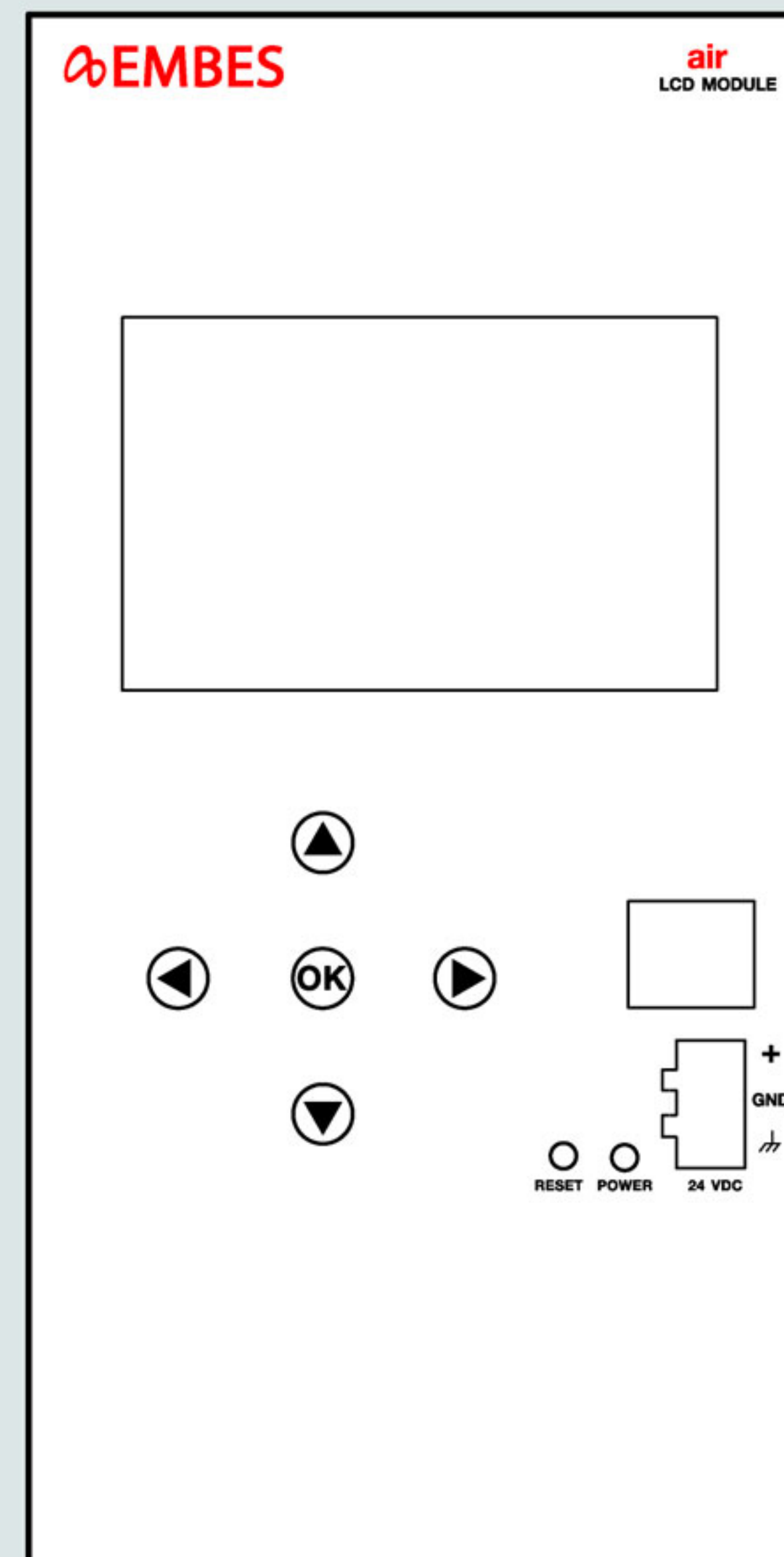


Dimensions

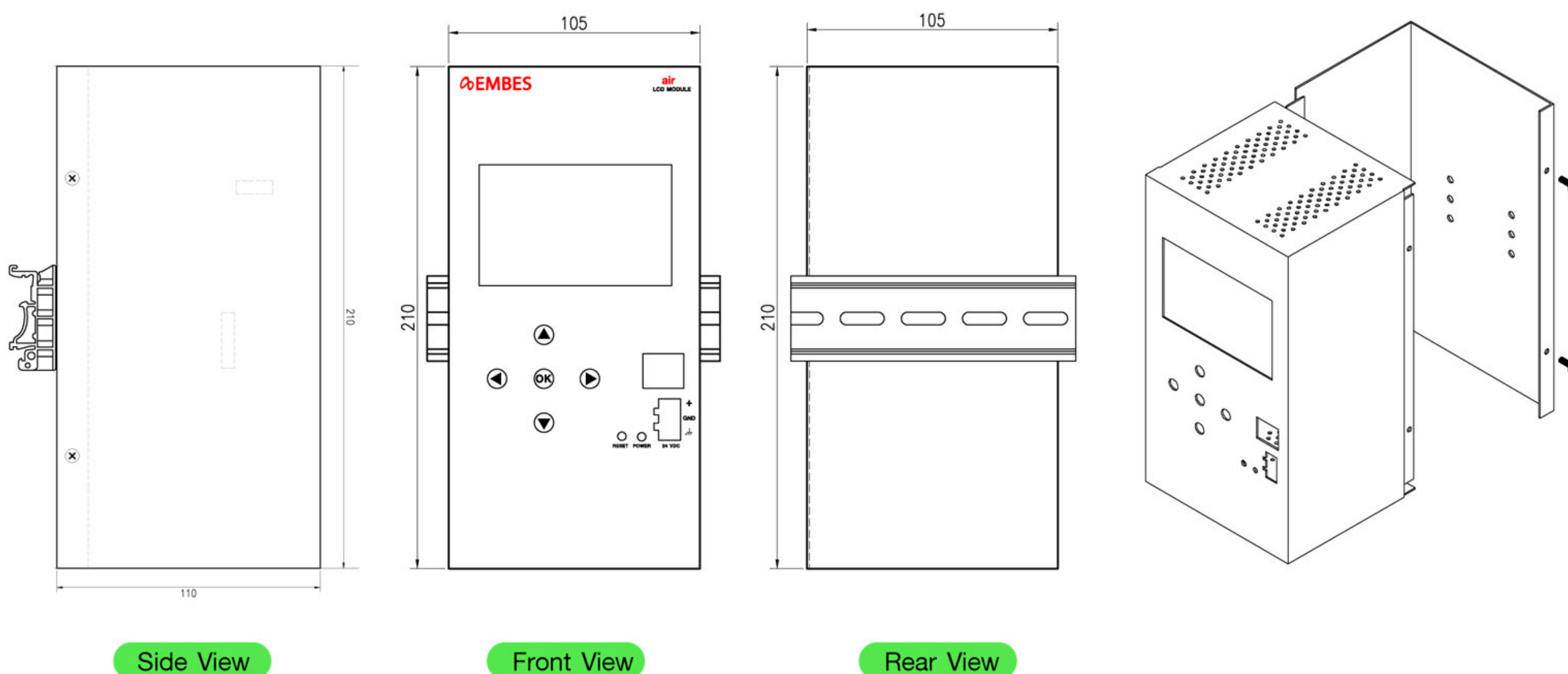


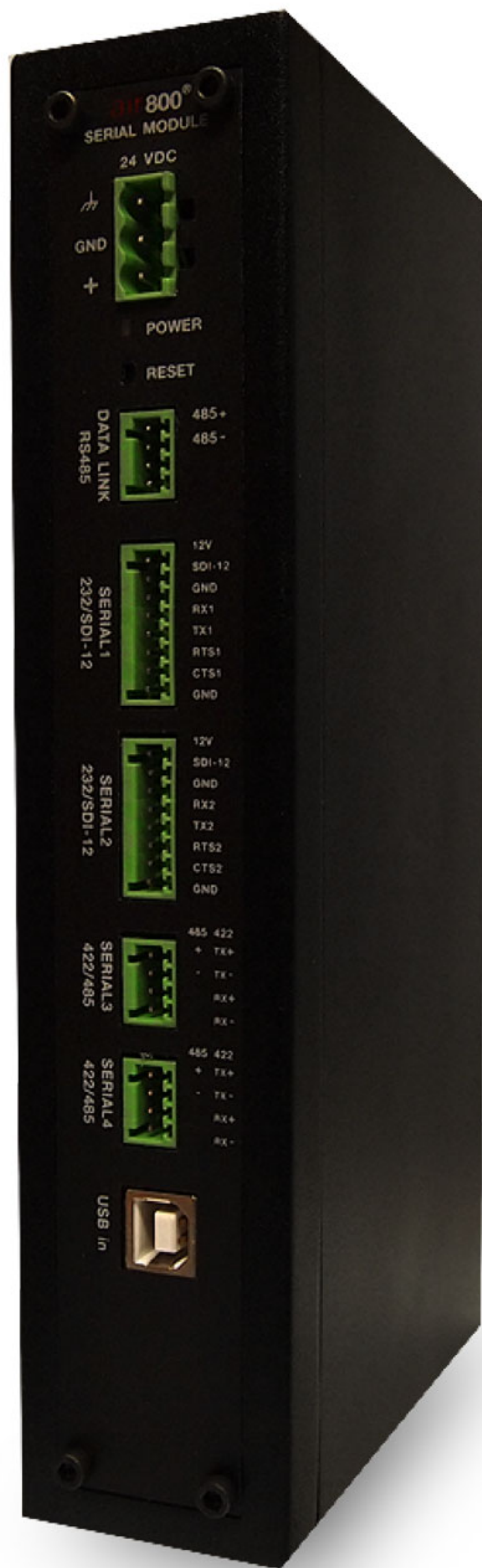
air800[®] LCD Module Technical Data

- 128 x 64 Dot Pixels Graphic LCD
- Dot Pitch 0.52 x 0.52
- Dot Size 0.48 x 0.48
- Viewing Area 72 x 40 mm
- 5 Buttons
- 1 x Console Port
- Power Input 24 VDC nominal
(Support Range 9 to 36 VDC)
- Power Consumption 50 mA @ 24 VDC
- Operation Temperature -10°C to 65°C
- Storage Temperature -40°C to 85°C
- Ambient Relative Humidity 5 to 95%
(non-condensing)
- Dimension (WDH) 105 x 110 x 210 mm
- Weight 1060 g.
- DIN Rail Mounting



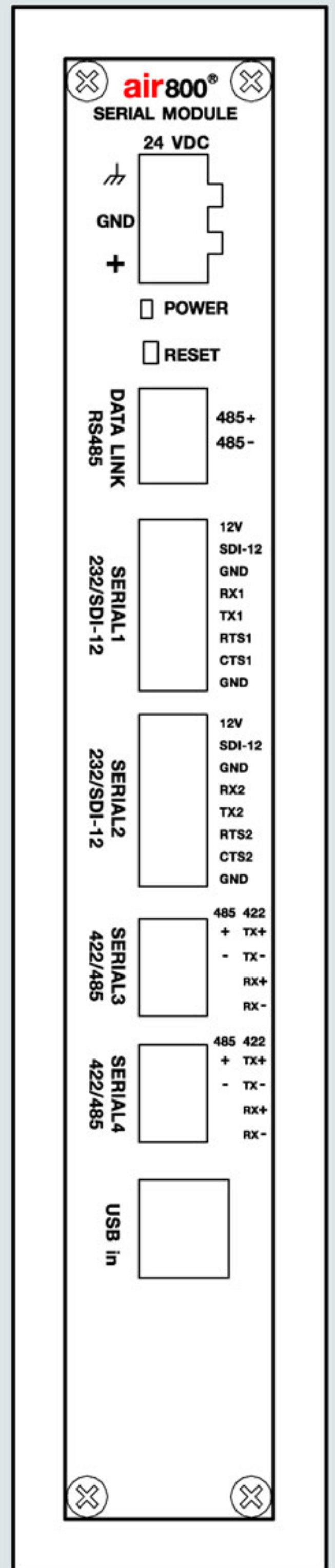
Dimensions



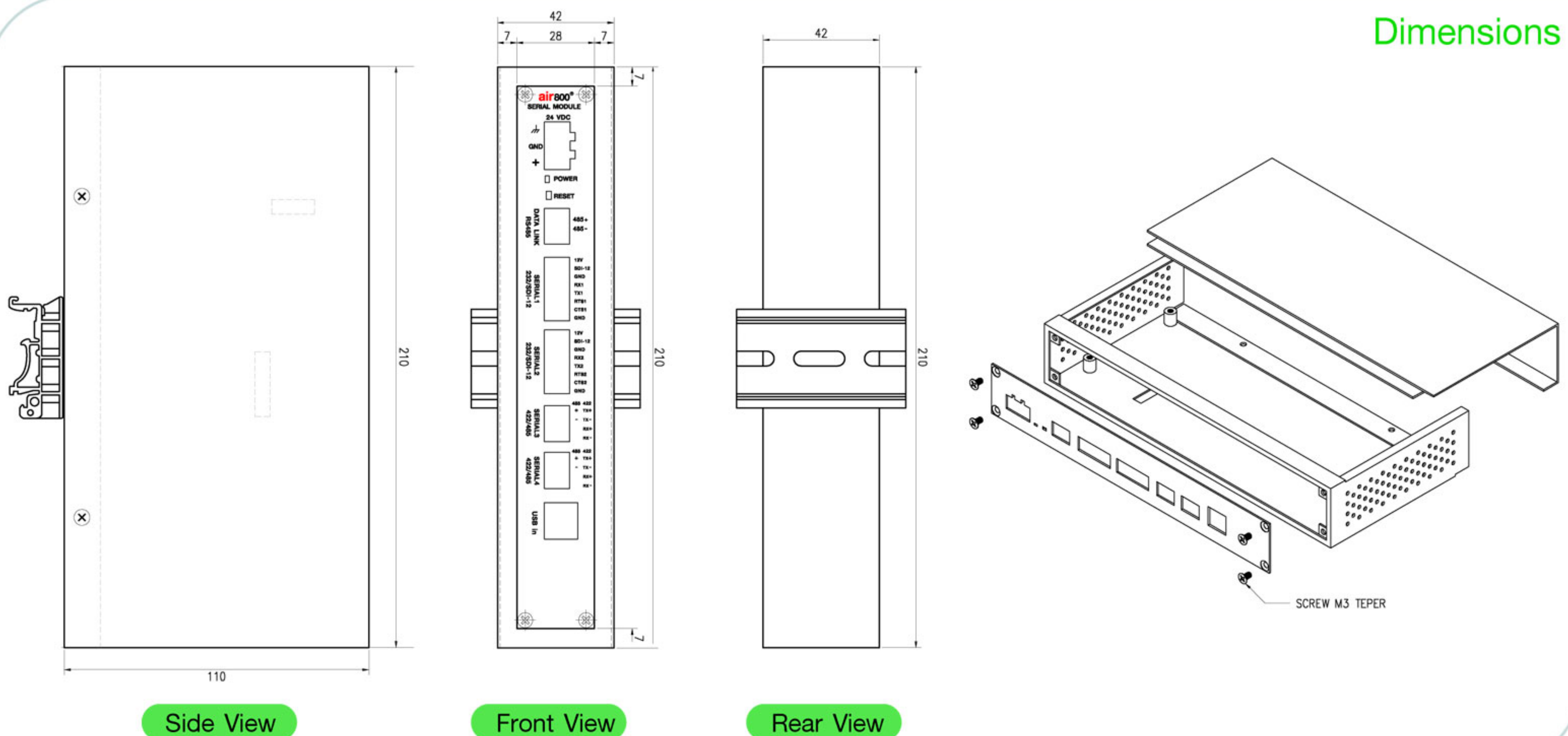


air800[®] Serial Module Technical Data

- 1 x RS485 Data Link to Core Module
- 1 x USB Data Link to Core Module
- 2 x RS232/SDI-12
- 2 x RS422/RS485
- Modbus RTU/ASCII Protocol and Asynchronous Serial Protocol Support
- Baud rate 300, 600, 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200, 230400
- 15 KV Serial Line Protection
- Power Input 24 VDC nominal (Support Range 9 to 36 VDC)
- Power Consumption 60 mA @ 24 VDC
- Operation Temperature -10°C to 65°C
- Storage Temperature -40°C to 85°C
- Ambient Relative Humidity 5 to 95% (non-condensing)
- Dimension (WDH) 42 x 110 x 210 mm
- Weight 700 g.
- DIN Rail Mounting



Dimensions



air800[®] Communication Module Technical Data

- 1 x RS485 Data Link to Core Module
- 1 x USB Data Link to Core Module
- Wireless WAN Cellular Carrier Specification

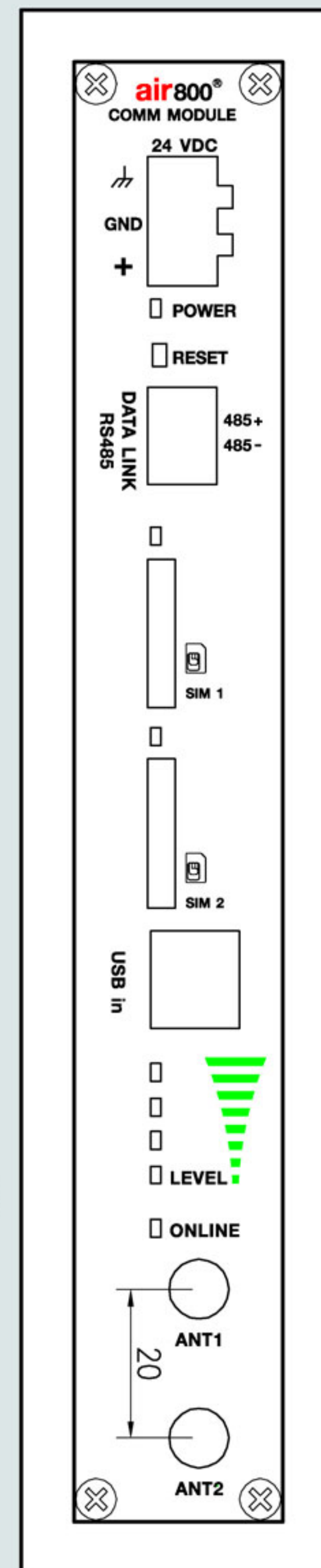
3G HSPA

- ▶ Triple Band HSPA/UTMS(WCDMA) 850/900/2100 MHz
- ▶ or Dual Band HSPA/UTMS(WCDMA) 900/2100 MHz
- ▶ HSUPA download up to 7.2 Mbps and upload up to 5.76 Mbps
- ▶ HSDPA download up to 3.6 Mbps and upload up to 384 Kbps
- ▶ UTMS download and upload up to 384 Kbps

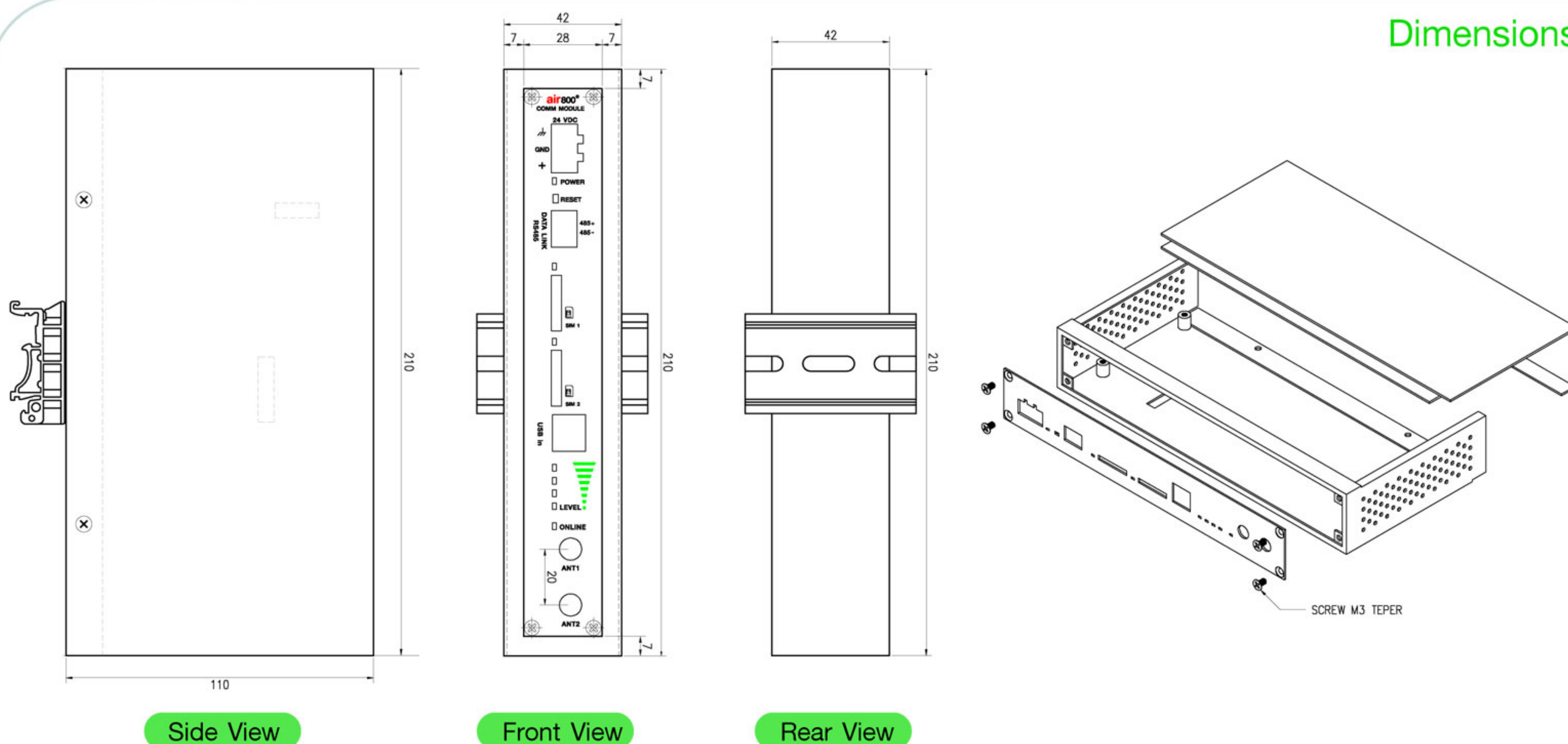
2G GSM

- ▶ Quad Band 850/900/1800/1900 MHz
- ▶ EDGE Class 12 throughput up to 240 Kbps
- ▶ GPRS Class 12 throughput up to 80 Kbps

- 2 x Push SIM Socket
- LED Status
 - ▶ SIM Status
 - ▶ SIM Online
 - ▶ Signal Strength
- 2 x 50 Ohm SMA Antenna including Antenna Switcher
- 2 dBi Standard Antenna (optional : High Gain Antenna)
- Power Input 24 VDC nominal (Support Range 9 to 36 VDC)
- Power Consumption 80 mA @ 24 VDC
- Operation Temperature -10°C to 65°C
- Storage Temperature -40°C to 85°C
- Ambient Relative Humidity 5 to 95% (non-condensing)
- Dimension (WDH) 42 x 110 x 210 mm
- Weight 720 g.
- DIN Rail Mounting

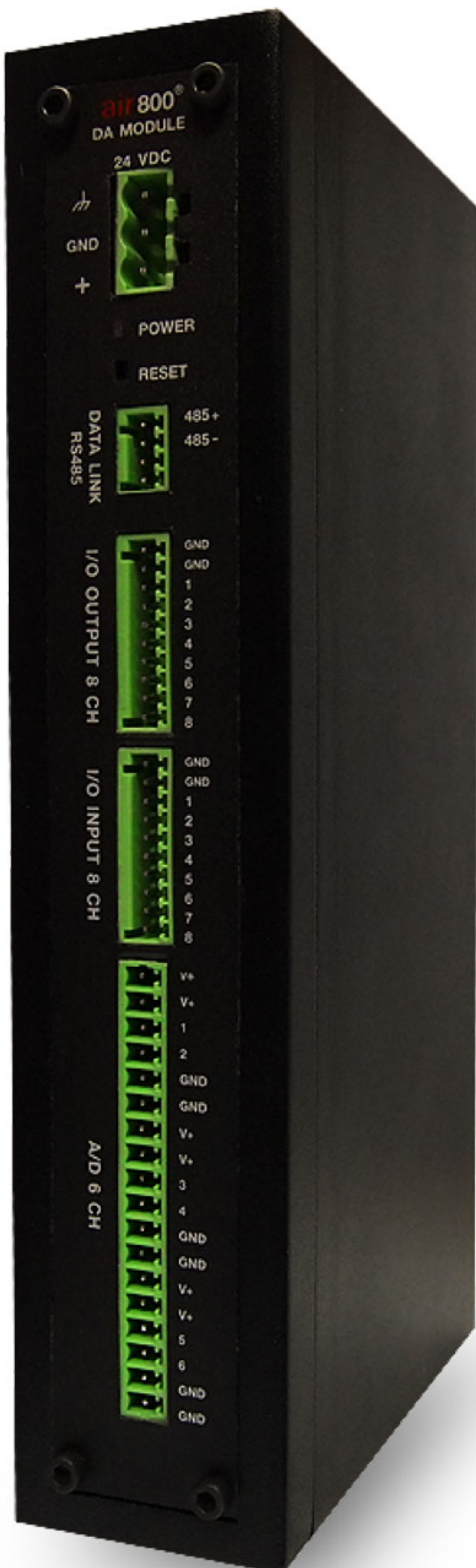
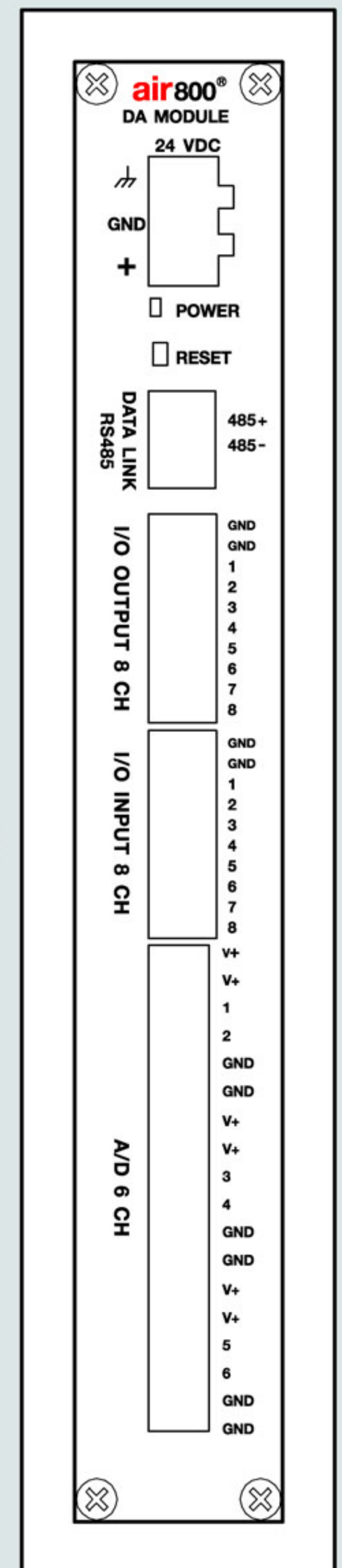


Dimensions

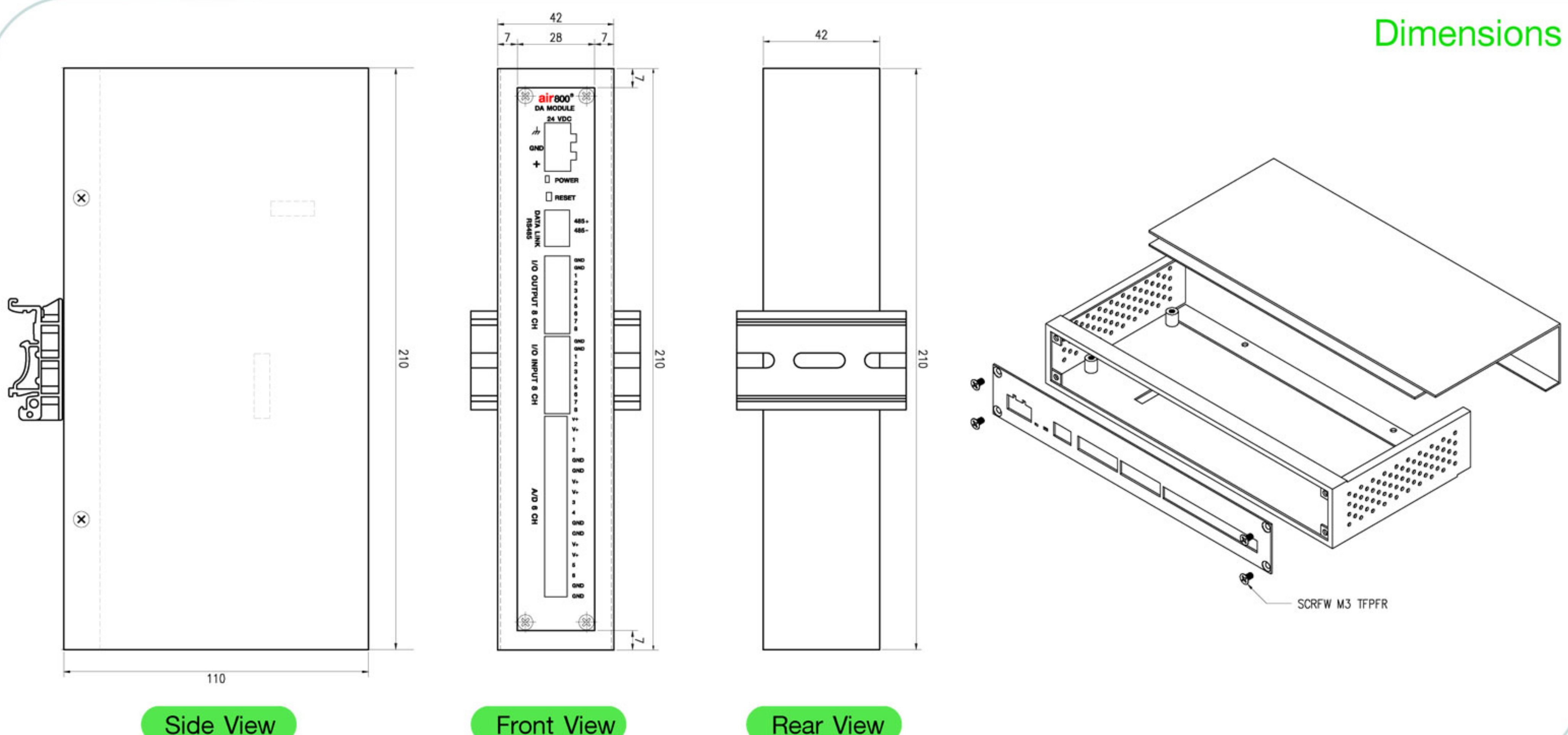


air800® Data Acquisition Module Technical Data

- 1 x RS485 Data Link to Core Module
- Digital Output 8 Channels
 - ▶ DO or Pulse Output I/O Mode
 - ▶ Pulse Output Frequency 1 kHz
 - ▶ Current Rating 50 mA per channel
- Digital Input 8 Channels
 - ▶ DI or Event Counter I/O Mode
 - ▶ Wet Contact (NPN or PNP)
 - ▶ On : 2 to 5 VDC TTL
 - ▶ Off : 0 to 0.8 VDC TTL
- Analog Input 6 Channels
 - ▶ Resolution 12-bit
 - ▶ Input Range 4 to 20 mA or 0 to 5 V (need to select)
 - ▶ Output Range 0 to 3.3 V TTL
- Power Input 24 VDC nominal (Support Range 9 to 36 VDC)
- Power Consumption 50 mA @ 24 VDC
- Operation Temperature -10°C to 65°C
- Storage Temperature -40°C to 85°C
- Ambient Relative Humidity 5 to 95% (non-condensing)
- Dimension (WDH) 42 x 110 x 210 mm
- Weight 695 g.
- DIN Rail Mounting



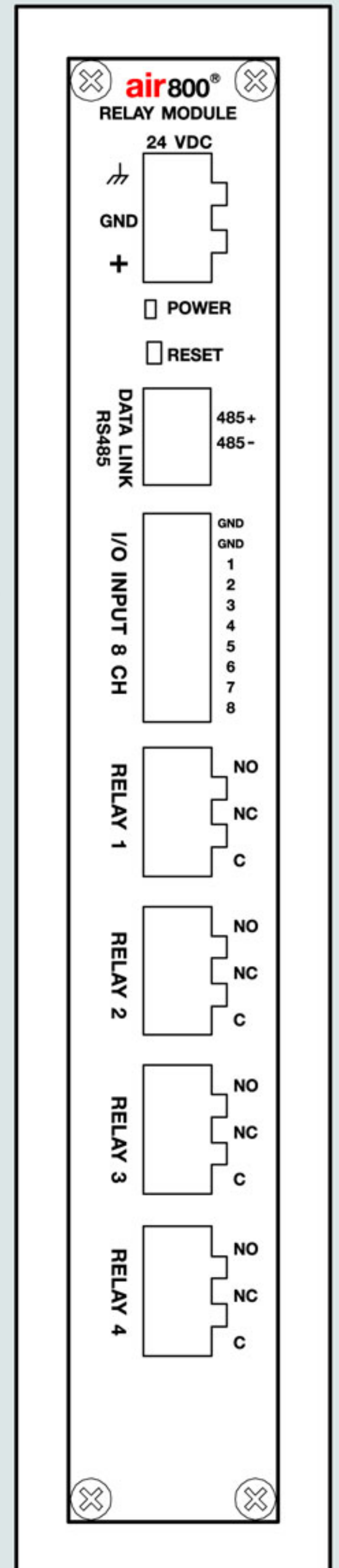
Dimensions





air800[®] Relay Module Technical Data

- 1 x RS485 Data Link to Core Module
- Digital Input 8 Channels
 - ▶ DI or Event Counter I/O Mode
 - ▶ Wet Contact (NPN or PNP)
 - ▶ On : 2 to 5 VDC
 - ▶ Off : 0 to 0.8 VDC
- Relay Output 4 Channels
 - ▶ 1 Form C (SPDT) Power Relay
 - ▶ Contact Current Rating 10A @ 24VDC
 - ▶ Contact Resistance 100 m ohm (max) at 1A @ 6VDC
- Power Input 24 VDC nominal (Support Range 9 to 36 VDC)
- Power Consumption 130 mA @ 24 VDC
- Operation Temperature -10 °C to 65 °C
- Storage Temperature -40 °C to 85 °C
- Ambient Relative Humidity 5 to 95% (non-condensing)
- Dimension (WDH) 42 x 110 x 210 mm
- Weight 740 g.
- DIN Rail Mounting



Dimensions

