

# AXON power



Improving the safety  
of your underground  
environment

- > Extends power capabilities throughout the mine
- > Ruggedized for harsh underground environments
- > Regulated DC output for subsidiary devices
- > Advanced power management
- > Plug-and-play integration with AXON core unit



# AXON power

MST's AXON power is a plug-and-play module capable of delivering extended power capabilities to harsh underground environments. When connected to the AXON core digital platform, AXON power increases the overall number of PoE+ ports from four to seven and adds a regulated 24W DC power output enabling customers to take full advantage of AXON's advanced power distribution capabilities.

Additional access to power is a useful feature on its own, however the speed and simplicity of implementation sets **AXON power** apart.

When the installation of devices, such as cameras, sensors and wireless access points, is required in the underground, so is adequate power and data. Traditionally, this meant preparing for all possible future requirements or installing a complete network switch ad hoc – both at significant expense. **AXON power** overcomes these issues by allowing customers to simply plug in additional devices wherever an **AXON core** node is installed and get instant access to power and data.

The advantages of **AXON power** are felt further when 24W DC power is required for PLC's, external alarms or call points, especially in ad hoc situations. Unlike the conventional solution for providing DC power in a mine or tunnel which can be costly, laborious and time consuming, **AXON power's** plug-and-play feature makes deployment effortless. Additionally, the voltage of this output is user-selectable to 12, 24 or 48 volts making it versatile for any situation.

## SPECIFICATIONS

### WIRED NETWORK CONNECTIVITY

- > 3 x 1Gbps, PoE+ (802.1at) ports

### 24W REGULATED POWER OUTPUT

- > 12 / 24 / 48 Volts DC (selectable)
- > 2A at 12V, 1A at 24V, 0.5A at 48V

### LED INDICATORS

- > Power status LED
- > DC output enabled/warning LED

### CONTROLS

- > Voltage selector switch (12/24/48V). Protected against tampering and inadvertent change.

### ENVIRONMENTAL PARAMETERS

- > IP65 rated
- > Operating temperature: 0-50°C
- > Humidity: 95%

### COMPLIANCE

- > EMC: CE, FCC, RCM
- > Safety: IEC 62368-1

### DIMENSIONS (mm)

- > 208(h) x 119(w) x 96(d)

### WEIGHT

- > 400g