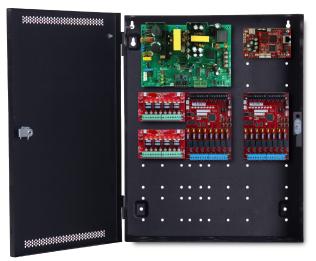# LifeSafety Power®

FLEXPOWER **iSCAN150-16**
Remote Managed Intelligent Power
Single Voltage   12A/12V or 6A/24V (150W)
16 Auxiliary and 16 Managed Relay Outputs

Power Management & Reporting
U.S. Patent 8,566,651

FLEXPOWER
iSCAN®
SUPERVISION CONTROL ACCESS NOTIFICATION

DESCRIPTION

FLEXPOWER ISCAN is a patented smart power management system for security and life safety applications.

The iSCAN150-16 provides sixteen (16) activation inputs and sixteen (16) monitored and controlled relay outputs. The managed inputs are capable of voltage or dry contact activation and the managed outputs are programmable to either of the two system voltages, fail-safe, fail-secure, fire alarm over ride, and AC loss over ride for egress lock control.

Each managed output may also be individually activated or deactivated through an embedded browser interface and monitored for voltage and current values via network or internet.

Adjustable trigger points are provided for each output to generate an alert when that output is outside of selected parameters.

Sixteen (16) auxiliary outputs are also provided for readers, REX devices, or other similar units with each output selectable for either continuous or switched DC.

BENEFITS

➢ Sixteen managed relay outputs with multi-configurable modes of operation

➢ Sixteen auxiliary outputs for powering non critical devices like rex detectors that do not need to be monitored and controlled

➢ Remote power / battery monitoring, with control and reporting of outputs for
  ◆ Current and voltage with alerts when outside preset trigger points
  ◆ Total power consumption
  ◆ Device ON/OFF recycling

➢ Microprocessor dual rate battery charger

➢ Built in fire alarm disconnect with latch mode for Canada

➢ Fault detection and reporting to host power supply and over the network

➢ *Lifetime Warranty*

FLEXPOWER STANDARD FEATURES

◆	*SmartZone*	Comprehensive output monitoring, reporting and control
◆	*TruWatt*	Delivers twice the current at 12V than at 24V
◆	*PwrHealth*	Intelligent battery charging, monitoring and SOC testing
◆	*VSelect*	Installer selectable output voltage
◆	*SureCharge*	Microprocessor controlled battery charging
◆	*PowerCom*	Power supply programming / monitoring software
◆	*FlexConnect*	Dual voltage bus / pre-wired accesory board interconnects
◆	*Reliability+*	Full fault protection / high efficiency / fiberglass pcb
◆	*GreenSmart*	RoHS compliant, lead free, energy efficient design
◆	*NetLink*	Network communication

APPLICATIONS

➢ Applications
  ◆ Add remote lock management for banks, hospital wards, drug cabinets, high security areas, casinos, etc.
  ◆ Live monitoring of remote or dangerous areas
  ◆ Perform remote battery tests on scheduled / manual basis
  ◆ Supervise locks and devices for over stress
  ◆ Monitor power cabinet temperature
  ◆ Monitor external area temperature with remote probe

ELECTRICAL RATINGS

Parameter	FPO150	Unit
Input Voltage	120 / 230	VAC
Input Power (max)	170	Watts
Output Voltage	12 or 24	VDC
Output Current	12 or 6	Amps
Battery Charge Capacity	80	Ah
Efficiency	87	%
Output Ripple	120	mVp-p
Line Regulation	0.1	±%
Load Regulation	2	±%
BTU Rating	66	BTU/Hr
Continuous Power Outputs	16	
Switched Power Outputs	16	
Fire Alarm Interface	Yes	

*This data sheet

Similar Products	Description
iSCAN150-8	150W, 12A/12V or 6A/24V, 8 managed outputs
iSCAN150-16*	150W, 12A/12V or 6A/24V, 16 managed outputs
iSCAN250-24	250W, 20A/12V or 10A/24V, 24 managed outputs

iSCAN systems can be upgraded with additional accessory modules - contact factory for details and order number.

ISCAN SYSTEM STANDARD FEATURES

FAULT DETECTION AND REPORTING

The comprehensive fault detection and reporting mechanism of the FPO series provides for both local and remote fault reporting.

On-board visual indicators are provided to give immediate installer feedback. Independent form C relay contacts are provided to report AC and system fault conditions to remote or auxiliary equipment. A door tamper switch is included.

Detected Fault Conditions:

- *AC Power:* AC loss, AC low
- *DC Power and System*
    - Abnormal or loss of power supply operation
    - Over current, over temperature condition
    - DC output high, low
    - Battery Presence, Earth Ground (user optional)
    - Reversed battery condition, blown fuse or loss of output voltage on selected accessory boards (detected on the power supply)

FIRE ALARM INTERFACE (FAI)

- *Activation Methods*
    - DC voltage: 9 to 33VDC, 3 to 15mA
    - Dry contact NO/NC
- *Latch Enable: NC contact set or switch (typically for Canadian use)*

AUXILIARY POWER DISTRIBUTION MODULE

- *Eight power distribution outputs Individually programmable to a continuous output drawn from either buss 1 or buss 2, typically used to program an output for either 12 or 24VDC*
    - **D8** 3A fused per output
    - **D8P** 2.5A class 2, power limited per output
- *DC Presence: Green LED per output*
- *Removable terminals: accepts #14 to #24 AWG*

MANAGED DEVICE CONTROL MODULE

- *Eight access control trip inputs*
- *Eight individually protected lock control outputs*
    - **M8** 3A fused per output
    - **M8P** 2.5A class 2, power limited per output

Each input may be programmed to respond to:

- Application of voltage between 9 and 33VDC
- Removal of voltage between 9 and 33VDC
- Normally open dry contact transition
- Normally closed dry contact transition
- Activation or deactivation through software

Each output may be programmed for the following modes:

- Voltage output from power supply one
- Voltage output from power supply two
- Fail-safe, Fail-secure
- Fire alarm over ride for egress lock control
- AC loss over ride for egress lock control
- Trigger points based on voltage or current values to send an alert via email or SNMP

NETWORK COMMUNICATION MODULE

Network Interface for Monitoring / Reporting / Controlling

- *Network & email alerts for*
    - AC / System faults, outside preset voltage, current, and temperature settings
    - Low battery condition / Fire Alarm Interface (FAI) or External Event activation
    - Time-to-service reminders
- *100 event time & date stamp buffer with* Excel compatible reports
- *SNMP interface:* Network access of real time system parameters via SNMP v1, v2, or v3

AGENCY LISTINGS

USA	CANADA
UL 294	ULC S318
UL 603	ULC S319
	CSA C22.2 #107.1
	CSA 22.2 #60950

ORDERING INFORMATION

Model Number	Input	Type	Enclosure Info
iSCAN150-16	120VAC	Fused	
iSCAN150-16P	120VAC	Power Limited	Size: 20" x 16" x 4.5"
iSCAN150-16/E	230VAC	Fused	Weight: 16 lb.
iSCAN150-16P/E	230VAC	Power Limited	

PN nomenclature

iSCANXXX - XX - E

Power level — for 230VAC input
75W
150W — 8, 16, 24
250W (*managed and auxiliary outputs*)

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