

# Tagan PS2 Type Mini Redundant Power Supply

## TG-I550R

- 550 W + 550 W Redundant Output Power
- Hot-Swap / Hot-Plug Application
- ATX12V / ERP12V Application
- For PS2 Pedestal / 4U System
- Backward Compatibility / -5 V available



W 150 mm x H 85 mm x D 199 mm

### Features

- Universal Input, active PFC
- Backward Compatibility, -5 V available
- Automatic Thermal Control (Fan Speed)
- Hot-SWAP/ Hot-Plug Application
- Industrial DIN-Connector for Reliability
- Remote Sense on +5 V, +3.3 V & +12 V
- Power Failure Alarm & Signals
- Power Status LED on Module
- OVP (Over Voltage Protection) /module
- UVP (Under Voltage Protection)
- OCP (Over Current Protection)/ module
- External OCP (Over Current Protection)
- SCP (Short Circuit Protection)
- MTBF > 100,000 hours
- 3 years Warranty

### General Specifications

- Input Voltage Range: 100 – 240 V ± 10%
- Power Factor: 0.95 min. at full load
- Efficiency: 74% at full load
- Hold up time: 17 ms min., at full load
- Power good: 100-500 ms, TTL Signal
- PSON (Remote ON/OFF): TTL Signal
- Operating Temperature: 0 ~ 40°C
- Operating Humidity: 20 ~ 90%
- Cooling Fan: 40 mm x 40 mm x 20 mm (SANYO)

### Application

- Industrial PC
- Workstation
- Server
- Storage System
- Rack Mount
- Pedestal Tower Chassis

### Electrical Specification

#### Regulation, Ripple & Noise

Item / Output	+ 5 V	+3.3 V	+12 V	-5 V	- 12 V	5 VSB
Load Regulation	± 5%	± 5%	± 5%	± 10%	± 5%	± 5%
Cross Regulation	± 5%	± 5%	± 5%	± 10%	± 5%	± 5%
Line Regulation	± 1%	± 1%	± 1%	± 1%	± 1%	± 1%
Ripple & Noise	50mV	50mV	120mV	100mV	120mV	50mV

#### Input / Output Ratings

Model: TG-I550R

Input (AC)	Voltage		Frequency		Current	
	100-240 V		47-63 Hz		10-5 A	
Output (DC) 550 Watt	<b>+ 5 V</b>	<b>+3.3 V</b>	<b>+12 V</b>	<b>-5 V</b>	<b>- 12 V</b>	<b>5 VSB</b>
Load Max.	30 A	24 A	41 A	0.5 A	1 A	2 A
Load Min.	2 A	1 A	2 A	0 A	0 A	0.1 A
Max. Comb. 180 W						

\* Total DC output should not exceed 550 W

\* Noise bandwidth is from DC to 20 MHz

### Agency Requirements

- Harmonic: EN61000-3-2
- Safety: UL, cUL, CB, TÜV, CCC
- EMI/RFI: CE, FCC class B, BSMI CISPR class B

### Logical data

- Product Name: TG-I550R
- Product Number: 12689
- EAN Barcode: 4250078130307
- EAR Registr. number: EAR888-62976469
- Net Dimension per piece: W 150 mm x H 85 mm x D 199 mm
- Gross Dimension per piece: W 260 mm x H 159 mm x D 324 mm
- Net Weight per piece: 3.80 kg
- Gross Weight per piece: 5.25 kg
- Quantity per Carton: 4 pieces
- Dimension of Carton: W 633 mm x H 280 mm x D 346 mm
- Weight pro Carton: 21 Kg
- Volume pro Carton: 0.062 CBM
- Colour: Silver
- Customs Number: 85044030

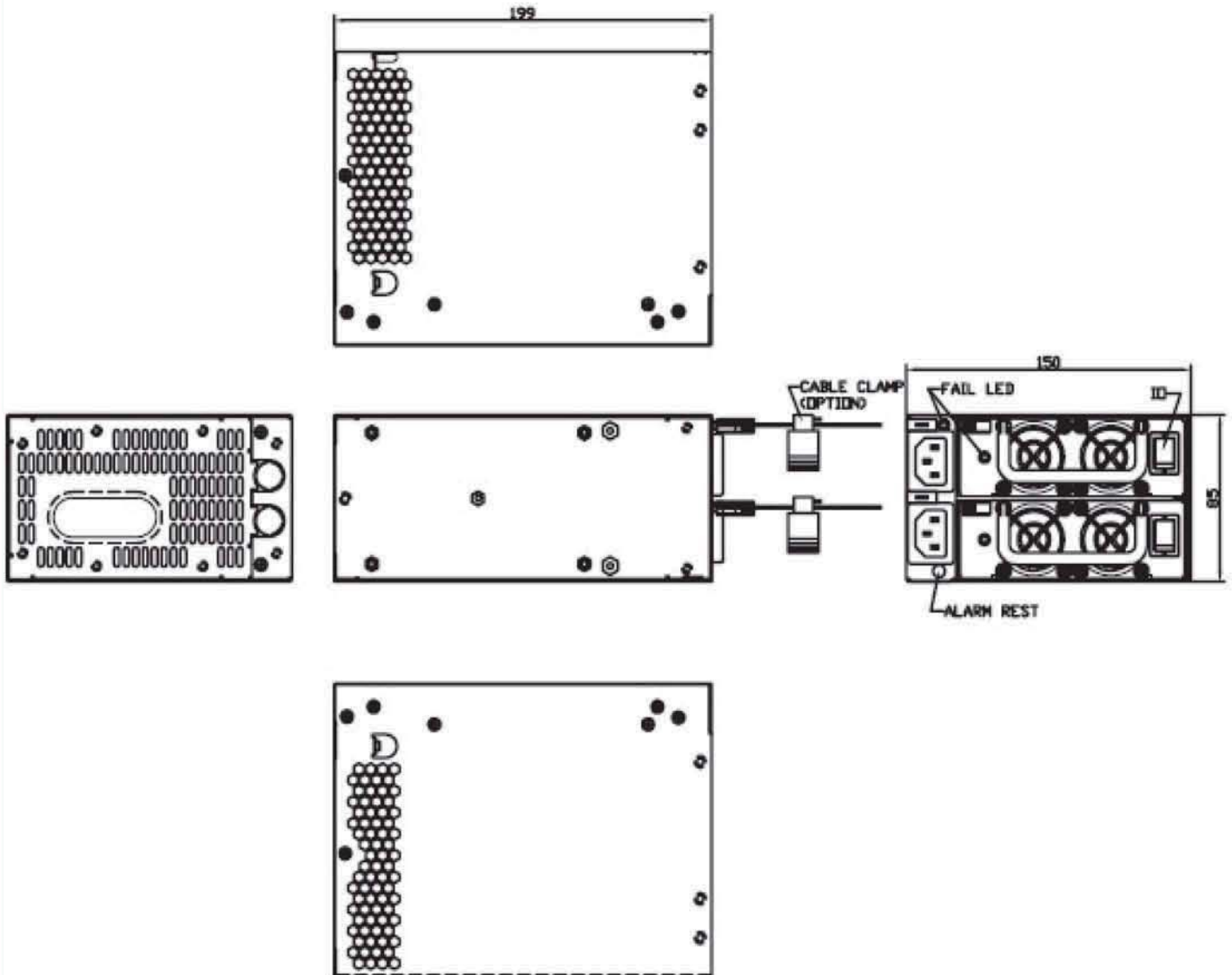
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# Tagan PS2 Type Mini Redundant Power Supply

## Cable configuration

Model	Qty.	Cable	TG-I550R Mini Redundant		
			Rail	Function	Cable exposed length
Main board (24 P)	1	on board	12 V		500 ± 30 mm
ATX 12 V / EPS 12 V (8 P)	1	on board	12 V		500 ± 30 mm
ATX 12V (4 P)	1	on board	12 V		500 ± 30 mm
Molex (4 P) * 2 + FDD (4 P) * 1	2	on board	12 V		500 + 150 + 150 mm
Molex (4 P) * 2	2	on board	12 V		500 + 150 mm
SATA (5 P) * 2	2	on board	12 V		500 + 150 mm
PCI-E (6 P)	1	on board	12 V		500 + 150 mm
Total PFD (black, orange)	1	on board	PW1 or PW2	LED off	750 ± 50 mm
PW1 Fail LED (black, blue)	1	on board	PW1	LED off	750 ± 50 mm
PW2 Fail LED (black, yellow)	1	on board	PW2	LED off	750 ± 50 mm
Alarm Reset (white, black)	1	on board	PW1 or PW2	Signal off	1200 ± 50 mm

## Mechanical Drawings



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