

### TG-I700R-3U

- 700 W + 350 W Redundant Output Power
- Hot-Swap / Hot-Plug Application
- ERP2U Application
- For 2U/ 3U System
- Backward Compatibility/ -5 V available



W 127 mm x H 84 mm x D 290 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 ~ 50°C
- Operating Humidity: 20 ~ 90%
- Cooling Fan: 38 mm x 38 mm x 28 mm (SANYO)

#### Application

- Industrial PC
- Workstation
- Server
- Storage System
- Rack Mount

Errors and omissions excepted

#### 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-I700R-3U						
Input (AC)	Voltage		Frequency		Current	
	100-240 V		47-63 Hz		12-6 A	
Output (DC) 700 Watt	+ 5 V	+3.3 V	+12 V	-5 V	- 12 V	5 VSB
Load Max.	40 A	32 A	56 A	0.5 A	0.8 A	2 A
Load Min.	1 A	1 A	2 A	0 A	0 A	0.1 A
Max. Comb. 220 W						

\* Total DC output should not exceed 700 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-I700R-3U
- Product Number: 12727
- EAN Barcode: 4250078130192
- EAR Registr. number: EAR888-62976469
- Net Dimension per piece: W 150 mm x H 85 mm x D 290 mm
- Gross Dimension per piece: W 150 mm x H 85 mm x D 290 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

### Cable configuration

Model	TG-I700R-3U Redundant				
	Qty.	Cable	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) * 2	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
Total PFD (black, orange)	1	on board		LED off	750 ± 30 mm
PW1 PFD (black, blue)	1	on board		LED off	750 ± 30 mm
PW2 PFD (black, yellow)	1	on board		LED off	750 ± 30 mm
PW3 PFD (black, red)	1	on board		LED off	750 ± 30 mm
Alarm Reset (white, black)	1	on board		Signal off	1200 ± 30 mm

### Mechanical Drawings:

