

Computer power supply

Model: **AK-T1-300**





Product type Format Format Series Ultimate 30 V Power consumption Efficiency 80 PLUS compatibility Current on the +3.3V rail Current on the +5V rail Maximum load on +3.3V and +5V line Current on the +12V rail Maximum load on 12V line Maximum power Power inlet Mainboard Power connector Power connector PCI-E 6 pin Power connector PCI-E 6 pin Power connector PCI-E 8 pin Molex connector Power connector PFC filter Ground wire Yes OVP Yes	Product code	AK-T1-300
Series Supply voltage Power consumption Efficiency 80 PLUS compatibility Current on the +3.3V rail Current on the +5V rail Maximum load on +3.3V and +5V line Current on the +12V rail Maximum load on 12V line Current on the 12V rail Maximum load on 12V line Amaximum power Maximum power Power inlet Mainboard Power Connector Power connector PCI-E 6 pin Power connector PCI-E 6 pin Power connector PCI-E 8 pin Mone Molex connector Mini-Molex connector SATA connector SATA connector FPC filter Ground wire Ground wire Ground wire Yes OCP Yes	Product type	Computer power supply
Supply voltage	Format	TFX
Power consumption Efficiency > 80 % 80 PLUS compatibility Yes Current on the +3.3V rail 15 A Current on the +5V rail 15 A Maximum load on +3.3V and +5V line 100 W Current on the +12V rail 20 A Maximum load on 12V line 240 W Maximum power 300 W Power inlet 1EC C14 Mainboard Power Connector 24-pin 1pc (4 + 4-pin) Power connector PCI-E 6 pin None Power connector PCI-E 8 pin None Power connector PCI-E 8 pin None Molex connector PCI-E 9 pin None Molex connector PCI-E 9 pin None Molex connector PCI-E 9 pin None Molex connector YCI-E	Series	Ultimate
Efficiency > 80 % 80 PLUS compatibility Yes Current on the +3.3V rail 15 A Current on the +5V rail 15 A Maximum load on +3.3V and +5V line 100 W Current on the +12V rail 20 A Maximum load on 12V line 240 W Maximum power 300 W Power inlet 1EC C14 Mainboard Power Connector 24-pin 1pc (4 + 4-pin) Power connector PCI-E 6 pin None Power connector PCI-E 8 pin None Power connector PCI-E 8 pin None Molex connector PCI-E 8 pin None Molex connector PCI-E 9 pin None Molex connector SATA connector 2 pc None SATA connector SATA connector Yes OVP Yes	Supply voltage	230 V
80 PLUS compatibility Current on the +3.3V rail Current on the +5V rail Maximum load on +3.3V and +5V line Current on the +12V rail Duby Current on the +12V rail Current on the +12V rail Duby Current on the +12V rail Current on the +12V rail Duby Current on the +5V rail Duby Current on the +12V rai	Power consumption	< 3 A
Current on the +3.3V rail Current on the +5V rail Current on the +5V rail Maximum load on +3.3V and +5V line Current on the +12V rail 20 A Maximum load on 12V line Maximum power Maximum power Maximum power ilec C14 Mainboard Power Connector Power connector EPS12V 8 pin Power connector PCI-E 6 pin Power connector PCI-E 6+2 pin Power connector PCI-E 8 pin Molex connector Molex connector 1 pc Mini-Molex connector SATA connector FPC filter Ground wire Yes OVP Yes OCP Yes OTP Yes SCP Yes UVP Yes	Efficiency	> 80 %
Current on the +5V rail Maximum load on +3.3V and +5V line Current on the +12V rail Current on the +12V rail Amainum load on 12V line Maximum load on 12V line Power inlet EC C14 Mainboard Power Connector Power connector EP512V 8 pin Power connector PCI-E 6 pin Power connector PCI-E 6+2 pin Power connector PCI-E 8 pin Molex connector Molex connector Molex connector SATA connector FFC filter Ground wire OVP Yes OCP Yes OCP Yes OTP Yes SCP Yes UVP Yes	80 PLUS compatibility	Yes
Maximum load on +3.3V and +5V line Current on the +12V rail 20 A Maximum load on 12V line Power inlet EC C14 Mainboard Power Connector Power connector EPS12V 8 pin Power connector PCI-E 6 pin Power connector PCI-E 6 pin None Power connector PCI-E 8 pin None None Molex connector Mini-Molex connector SATA connector PFC filter Ground wire Yes OVP Yes OCP Yes OTP Yes SCP Yes UVP Yes	Current on the +3.3V rail	15 A
Current on the +12V rail Maximum load on 12V line 240 W Maximum power 300 W Power inlet IEC C14 Mainboard Power Connector Power connector EPS12V 8 pin Power connector PCI-E 6 pin None Power connector PCI-E 8 pin Molex connector Molex connector Mone Molex connector SATA connector SATA connector PFC filter Ground wire Yes OVP Yes OPP Yes OTP Yes SCP Yes UVP Yes	Current on the +5V rail	15 A
Maximum load on 12V line Maximum power 300 W Power inlet IEC C14 Mainboard Power Connector 24-pin Power connector EPS12V 8 pin 1 pc (4 + 4-pin) Power connector PCI-E 6 pin None Power connector PCI-E 8 pin Molex connector Molex connector 1 pc Mini-Molex connector SATA connector SATA connector PFC filter Ground wire Yes OVP Yes OCP Yes OTP Yes SCP Yes UVP Yes	Maximum load on +3.3V and +5V line	100 W
Maximum power 300 W Power inlet IEC C14 Mainboard Power Connector 24-pin Power connector EPS12V 8 pin 1 pc (4 + 4-pin) Power connector PCI-E 6 pin None Power connector PCI-E 8 pin None Power connector PCI-E 8 pin None Molex connector 1 pc Mini-Molex connector None SATA connector 3 pcs PFC filter Active Ground wire Yes OVP Yes OVP Yes OPP Yes OTP Yes OTP Yes OTP Yes UVP Yes	Current on the +12V rail	20 A
Power inlet IEC C14 Mainboard Power Connector 24-pin Power connector EPS12V 8 pin 1 pc (4 + 4-pin) Power connector PCI-E 6 pin None Power connector PCI-E 8 pin None Power connector PCI-E 8 pin None Molex connector 1 pc Mini-Molex connector None SATA connector 3 pcs PFC filter Active Ground wire Yes OVP Yes OVP Yes OPP Yes OTP Yes SCP Yes UVP Yes	Maximum load on 12V line	240 W
Mainboard Power Connector Power connector EPS12V 8 pin Power connector PCI-E 6 pin None Power connector PCI-E 6+2 pin None Power connector PCI-E 8 pin None Molex connector I pc Mini-Molex connector SATA connector SATA connector Ground wire Yes OVP Yes OCP Yes OTP Yes SCP Yes UVP Yes	Maximum power	300 W
Power connector EPS12V 8 pin 1 pc (4 + 4-pin) Power connector PCI-E 6 pin None Power connector PCI-E 8 pin None Power connector PCI-E 8 pin None Molex connector 1 pc Mini-Molex connector None SATA connector 3 pcs PFC filter Active Ground wire Yes OVP Yes OCP Yes OPP Yes OTP Yes SCP Yes UVP Yes	Power inlet	IEC C14
Power connector PCI-E 6 pin None Power connector PCI-E 8 pin None Power connector PCI-E 8 pin None Molex connector 1 pc Mini-Molex connector None SATA connector 3 pcs PFC filter Active Ground wire Yes OVP Yes OCP Yes OPP Yes OTP Yes SCP Yes UVP Yes	Mainboard Power Connector	24-pin
Power connector PCI-E 6+2 pin None Power connector PCI-E 8 pin None Molex connector 1 pc Mini-Molex connector None SATA connector 3 pcs PFC filter Active Ground wire Yes OVP Yes OCP Yes OPP Yes OTP Yes SCP Yes UVP Yes	Power connector EPS12V 8 pin	1 pc (4 + 4-pin)
Power connector PCI-E 8 pin None Molex connector 1 pc Mini-Molex connector None SATA connector 3 pcs PFC filter Active Ground wire Yes OVP Yes OCP Yes OPP Yes OTP Yes SCP Yes UVP Yes	Power connector PCI-E 6 pin	None
Molex connector 1 pc Mini-Molex connector None SATA connector 3 pcs PFC filter Active Ground wire Yes OVP Yes OCP Yes OPP Yes OTP Yes SCP Yes UVP Yes	Power connector PCI-E 6+2 pin	None
Mini-Molex connector SATA connector 3 pcs PFC filter Active Ground wire Yes OVP Yes OCP Yes OPP Yes OTP Yes SCP Yes UVP Yes	Power connector PCI-E 8 pin	None
SATA connector 3 pcs PFC filter Active Ground wire Yes OVP Yes OCP Yes OPP Yes OTP Yes SCP Yes UVP Yes	Molex connector	1 pc
PFC filter Active Ground wire Yes OVP Yes OCP Yes OPP Yes OTP Yes UVP Yes	Mini-Molex connector	None
Ground wire Yes OVP Yes OCP Yes OPP Yes OTP Yes SCP Yes UVP Yes	SATA connector	3 pcs
OVP Yes OCP Yes OPP Yes OTP Yes SCP Yes UVP Yes	PFC filter	Active
OCP Yes OPP Yes OTP Yes SCP Yes UVP Yes	Ground wire	Yes
OPP Yes OTP Yes SCP Yes UVP Yes	OVP	Yes
OTP Yes SCP Yes UVP Yes	ОСР	Yes
SCP Yes UVP Yes	OPP	Yes
UVP Yes	ОТР	Yes
	SCP	Yes
F : 00	UVP	Yes
Fan size 80 mm	Fan size	80 mm
Fan adjustments Automatic	Fan adjustments	Automatic
Cable length 30 cm	Cable length	30 cm
Power cable included None	Power cable included	
Material Galvanized steel		Galvanized steel
Product color Grey	Product color	Grey
MTBF 100000 h	МТВБ	100000 h
Temperature 5 - 50 °C	Temperature	5 - 50 °C
Package Foil	Package	Foil

Product size (L x W x H)	175 x 85 x 65 mm
Package size (L x W x H)	252 x 110 x 68 mm
Net weight	836.4 g
Gross weight	846.4 g
CE compatibility	Yes
FCC compatibility	No
RoHS compatibility	Yes
REACH compatibility	Yes
EAN code	5901720132857
Warranty	24 months













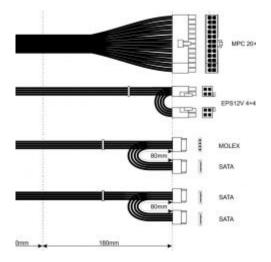












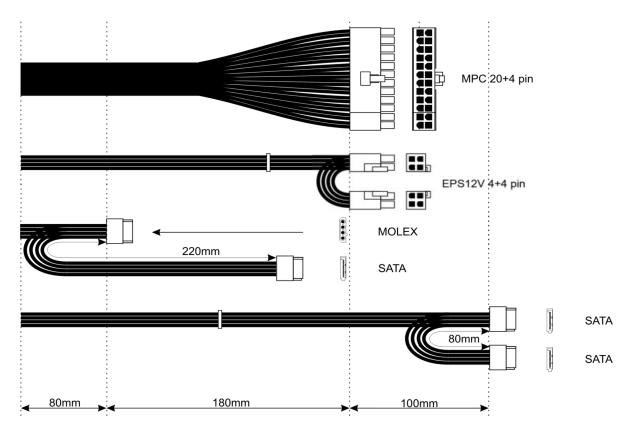
Description

The **Akyga® TFX** power supply **300W** is an advanced, compact power adapter dedicated to mini and media PC systems. It supports all the latest construction standards, ensuring high performance and stability.

The power supply features a **4-pin** connector, **MOLEX** connector, **3 x SATA** connector and universal **24-pin** motherboard connector. A guarantee of high efficiency is the **80 PLUS®** compatibility which ensures that **at least 80%** of energy provided by the power supply is received by computer's components and a maximum of 20% of energy is lost in the form of heat. High efficiency allows effective supplying and so the stable operation of the power supply affects the reliability of all components of the computer. Effective cooling is provided by efficient, silent fan of **8 cm** diameter. The power supply is ideal for small and medium-sized cases thanks to optimized **36 cm** long set of cables. Product is made of durable galvanized steel.

An important aspect is the presence of several important protectors (OVP, OCP, OPP, OTP, SCP, UVP) and active PFC filter that protects and prevents motherboard, processor and other parts from damage and stabilize the operation of the power supply so that it works without any unwanted interference. The TFX AK-T1-300 power supply is a high quality product that meets the current requirements and corresponds to modern standards.

Cable map



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