



RANDOM NUMBER GENERATOR WITH ETHERNET INTERFACES

IBG19 is a device used for random number generation, which has Gigabit Ethernet interfaces. The data transmission and reception are compliant with IEEE 802.3-2012 standard. The equipment offers TEMPEST protection compliant with SDIP-27 Level A standard.

Description

The device generates random data at about 36 Mbps on each communication interface, TRNG0 (*1000BASE-X full duplex*) and TRNG1 (*1000BASE-X full duplex*). Data transmission and reception are compliant with the IEEE 802.3z. IBG19 can be configured using the management interface MGMT (*1000BASE-X full duplex*).

Technical specifications

Power supply	230 VAC
Communication interfaces	1000BASE-X
TRNG throughput	~36 Mbps
Management interface	1000BASE-X
TEMPEST protection	SDIP-27 LEVEL A
Power consumption	~5 W
Casing dimensions (<i>WxDxH</i>)	300x295x85 mm
Weight	4500 g

Environmental conditions

Operating temperature	0°C ... + 50°C
Maximum relative humidity	80%