iTAC Controller

Datasheet

Article No.	Description
308902	iTAC Controller Exyte Bus
306254	iTAC Controller RS485
306989	iTAC Controller FTT10A

The Functionality

The iTAC (intelligent Topology Area Controller) from Exyte Technology is an independent unit for the control and monitoring of individual FDs (Fan Devices) or complete FD groups in the clean room technology.

The iTAC has 10 output channels. Up to 63 FDs can be connected to each channel. A total of 630 FDs are thus possible.

A Linux AM9 controller is embedded in the iTAC which makes possible the fast configuration and installation of all components in the field using DCI (Daisy Chain Installation).

10 LEDs indicate the connection status. Another 10 LEDs signal the network communication.
Using an integrated 3.5 inch LCD screen and a rotary switch, the user can navigate through various screen menus and make inputs.

The iTAC can be controlled via TCP/IP from a PC on which the CRiSxt software is installed or can be used as an independent device („standalone“ operation).

General Information

Description	
Bootloader	UBOOT 1.1.3 TLON Version 3.4
Operating system	Linux with kernel 2.16.
	Busybox V 1.1.1.1 pre
Access possibilities	Telnet
	FTP
	Serial console using internal connector
Network Integration	Dynamic Host Configutation Protocol (DHCP)
	Zero Configuration IP (ZCIP) (automatic IP address allocation in the subnet 169.254.0.0.0)

Ethernet

Description	Unit	Value
Connection socket		RJ45
Data transfer rate	Mbit/s	10/100
Data protocol support		CORBA
Max. connection iTAC per Level		30
IP address support		ZCIP/DHCP

Field Devices

Description	Unit	Value
Connection sockets		10 × RJ45
Integrated terminating resistor	Ohm	120
Visual transmission status displays		10 × LEDs
Max. number of FDs per channel		63
Max. number of FDs per iTAC		630

Mains

Description	Unit	Value
Voltage	V AC	200 … 277 (±10 %)
Frequency	Hz	50 … 60 (±10 %)
Rated current	mA	120 … 150
Number of phases		1
Operating temperature	°C	0 … 45
Power consumption	W	60
Visual operating status display		LED (green)

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