EKE

Trainnet®
3U 20TE Rack

Trainnet®
3U 44TE Rack

Trainnet®
3U 84TE - Dual Rack

Trainnet®
6U 84TE - RMM Rack

Standard Racks

EN 50155
EN 45545

FUNCTIONS

Trainnet® Racks are required with every Trainnet® System. Trainnet® modules only work when integrated into a Trainnet® Rack. The Racks enable communication between modules *via* an integrated IEC 821 VME back plane bus. All modules also take power from the power supply *via* the back plane.

KEY FEATURES

Trainnet® Racks come in different sizes to fit all needs. While 44TE and 84TE wide racks are commonly used, a 20TE wide rack is also available for smaller systems. When working with a high number of modules or when requiring the 1U ESU module (Power-over-Ethernet), the 6U 84TE can be used. Other racks sizes are also available upon request.

The 3U 44TE and 3U 84TE Racks have different back plane options. Please read the table below for an overview of the possible rack-backplane combinations. The number of free slots for both VME modules (CPUs, bus interface modules and HSA module) and I/O modules (all I/O but HSA) are mentioned. The space required for the power supply is already taken into account.

OPTIONS

Side mounting for 20TE Racks:
The 3U 20TE Racks can be sided mounted as an option, instead of the usual front mounting. Dimensions are then W127 x H133 x D306 mm.

TECHNICAL SPECIFICATIONS

External Dimensions (W x H x D):
3U 20TE Rack
158 x 133 mm x 215 mm
(installation width 117 mm)
3U 44TE Rack
280 mm x 133 mm x 215 mm
(installation width 240 mm)
3U 84TE Rack
483mm x 133mm x 215 mm
(installation width 443 mm)
6U 84TE Rack
483 mm x 266 mm x 215 mm
(installation width 443 mm)
Weight:
3U 20TE Rack: 1.3 Kg
3U 44TE Rack: 2.3 Kg
3U 84TE Rack: 4 Kg
6U 84TE Rack: 7.3 Kg
Ingress Protection (IP) rating:
20

AVAILABLE VME AND I/O SLOTS IN TRAINNET® RACKS

RACKS		VME ONLY SLOTS	VME OR I/O SLOTS	I/O ONLY SLOTS	MTBF	COMMENTS
3U 20 TE		2	1	0	3 480 000 h	-
3U 44TE		3	5	0	1 830 000 h	-
3U 44TE RIOM		1	0	8	2 330 000 h	-
3U 84TE		3	7	8	980 000 h	-
3U 84TE - Dual	*Left*	1	6	0	970 000 h	The right back plane has an extra VME slot that usually remain unused
	Right	2	6	0		
3U 84TE - RMM		4*	7	0	1 440 000 h	28TE* reserved for RMM or third party equipment
3U 84TE RIOM		1	0	18	1 130 000 h	
6U 84TE		Select a 3U 84TE rack version			850 000 h (RMM)	The other 3U fits 2 x 1U ESU

* If using RMM, please note it uses 1 VME slot (leaving 3 out of 4 free)