

Systems – AdvancedTCA

ADVANCEDTCA 300/40 SERIES, 6 SLOT, DC



Front view

12710001



Accessories: optional shelf manager

12708006



- 40 G backplane with 6 slots, triple replicated mesh topology; 2 versions:
 - Bussed IPMB
 - Radial IPMB
- 300 W cooling capacity per slot at an ambient temperature of 55 °C
- -48 V_{DC}/ -60 V_{DC} input voltage, two redundant power entry modules (PEM)
- Two hot swap fan trays, airflow from right to left (push/pull cooling), air filter exchangeable from front
- 2 shelf managers and 1 SAP (shelf alarm panel) can be installed
- Conforms to AdvancedTCA Standard PICMG 3.0 rev.3.0
- UL recognized, E229721 type T06



DELIVERY COMPRISES (completely assembled, wired and tested)

Item	Qty	Description
1	1	Shielded 19" subrack system, St, zinc-plated, 5 U, 84 HP, 464 mm deep, front with overlays, black, RAL 9005, with 6 horizontal slots for 8 U, 6 HP, 280 mm depth AdvancedTCA boards; 6 horizontal slots at rear, 8 U, 6 HP, 70 mm deep
2	1	Backplane, 6 slot, triple replicated mesh, 2 hub slots, 4 node slots
3	2	Redundant -48 V _{DC} / -60 V _{DC} power entry module (PEM) with circuit breaker
4	2	Hot-swap fan tray with 6 fans each for cooling the boards (> 350 W/ board); Filter mat
5	2	Front panel; Space to accommodate shelf manager
6	1	Front panel; Space for fitting shelf alarm panel (SAP)

ORDER INFORMATION

AdvancedTCA system	Backplane type	Part no.
AdvancedTCA 300/40 series, 6 slot, DC	Triple replicated mesh, 40 Gbps, bussed IPMB	11596-160
	Triple replicated mesh, 40 Gbps, radial IPMB	11596-161

Accessories

Shelf manager (bussed) 1 piece - page 8.19	21596-300
Shelf manager (radial) 1 piece - page 8.19	21596-301
Cable RJ 45 Cat 5 plug - D-Sub plug, 9-pin, length 2 m, 1 piece; page 8.19	23204-187
Front panels and handles	Page 8.11
AdvancedMC carriers	Page 8.26

Replacement parts (FRUs)

Power entry module (PEM) - page 8.19	21990-058
Fuse 30 A/80 V for power entry module, PU 10 pieces	21191-207
Shelf alarm panel (SAP)	21596-077
Fan tray - page 8.20	21990-057
Air filter - page 8.22	21990-059

NOTE

- Modified systems available on request