

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

ICS Triplex T8310C

Trusted TMR expander processor



BACKPLANE	ARCHITECTURE	LOCATION	OPERATION
20-32 Vdc	HIFT TMR	Expander slots	Active / standby

ICS Triplex T8310C is a Trusted TMR expander processor installed in the dedicated processor positions of an expander chassis. It links the triplicated expander bus to the chassis backplane and forwards communications between the controller and expansion modules.

01

PRODUCT IDENTITY AND SPECIFICATIONS

Product model	T8310C
Backplane supply	20 to 32 Vdc
Internal supply arrangement	Dual redundant nominal 24 Vdc feeds from the expander backplane
Documented power rating	Series B: 45 W; Series C: 20 W in PC002G; confirm actual hardware series
Permitted location	T8300 expander processor slots PL1 or PL2 only
Architecture	HIFT TMR; three main fault containment regions
Companion-slot link	Double-width cable hood connects the two processor positions
Copper expander distance	Up to 30 m using the documented TC-301 arrangement

02 TECHNICAL DATA

Optical expander distance	Up to 10 km using the documented T8314 fibre arrangement
IMB connector SK1	185-way DIN 41642 type
Internal fusing	Not user serviceable
Operating temperature	0 to +60 degrees C
Storage temperature	-25 to +70 degrees C
Relative humidity	10-95%, noncondensing
Equipment dimensions	266 x 31 x 303 mm (H x W x D)
Equipment mass	1.33 kg in PD-T8310; not shipping gross weight

03 APPLICATION AND CONFIGURATION

- T8310C connects the expander bus to the expander chassis IMB. It is not the main controller processor or a general Ethernet interface. Use the two designated processor positions, their common cable hood and the approved local or optical expander route.
- Preserve T8310C and verify the actual series, revision and certified release. The order suffix does not identify the hardware series. Do not substitute a main processor, expander interface or differently suffixed order by appearance alone.
- Ratings describe the documented equipment, not packed dimensions, shipping weight or a certified supplied-unit origin.

04 OFFICIAL DOCUMENTATION

PD-T8310 Issue 15 | Trusted TMR Expander Processor

PDF pp. 1, 12: role and architecture; pp. 13-17, 21: slots, cables and keying; pp. 23-31, 33: operation; p. 37: ratings.

PC002G - distinguish Series B and Series C power ratings, PDF page 4

Independent Amikon reference, not an OEM manual. Use the complete manufacturer instructions matching the actual hardware and firmware. No manufacturer pages are reproduced.

AMIKON PRODUCT SUPPORT

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