



End of Life Product Migration Information for the CPC3XX to CPC3XXA

Managing the details as a product enters its end of life offers many challenges. PT offers End of Life support as part of production operations and program management. We are here to support your products from concept through End of Life. At PT we understand that the end of a product's build life is not the end of the product's life in the field.

At PT we treat all customer programs as critical and are here to help you at all phases of your product's life cycle by ensuring we give the customer notice as parts being end of life within our product portfolio. Where we have an alternate product to replace the existing Product, we provide detailed data on the migration from one to the other seamless.

The current CPC3XX product is now part of our end of life program.

The below list of T1, E1, J1 Communication Controllers have been declared obsolete.

PRODUCT NUMBER	DESCRIPTION
PT-CPC324-11964	CompactPCI 24 Port T1/E1/J1, Dual Ethernet
PT-CPC308-11975	CompactPCI 8 Port T1/E1/J1, Dual Ethernet
PT-CPC300-11976	CompactPCI Intelligent Carrier, Dual PTMC and Ethernet
PT-RTM324-11965	MB6224 and CPC324 24 Port Rear Transition Module (RTM) (2 RJ21 Connectors plus 2 Ethernet Ports)
PT-RTM308-11966	MB6108 and CPC308 8 Port Rear Transition Module (RTM) (8 RJ48C Connectors plus 2 Ethernet Ports)
PT-ACC324-11977	RS232 Debug Cable (console)
PT-ACC324-11967	19 inch Rack Mountable Break out Box (2 RJ21 Connectors plus 24 RJ-48C Connectors)

PT has designed a direct replacement for this product which is the CPC3XXA. The next generation Communication Controller has been designed to provide better performance and more features than the current CPC3XX.

Below you will find details on the features and differences of the two products.

Feature	CPC308/324	CPC308A/324A
Processor	800Mhz Power PC	1Ghz PowerQUICC III
L2 Cache	256 MB	512MB
Dram	512Mhz DDR 1 at 166Mhz	512Mhz DDR2 at 400Mhz
Application Flash	128MB	128MB ability to upgrade 256MB
Framers	IDT Octal Framer	Infineon Octal Framer
TDM switching	Zarlink 90866	Zarlink 90866 and 50060
Edge Processor	Mindspeed CN8748	Mindspeed M28480
Clocking	Stratum 1	Stratum 3

As detailed in the above table the CPC3XXA surpasses the requirements of the current CPC3XX. The CPC3XXA provides a highly scalable Communications controller architecture that delivers all the next generation performance and heat constraints required today for an embedded application designs. With enhancements like the 25% increase in the processor speed as well as an option to increase the processor speed to 1.33 Ghz, which will provide a further 66% increase in processing power.

The new product now has the ability to switch all the channels to both PTMC sites. This card is an outstanding replacement product with further enhancements such as the use of M28480 on the CC324A which completely handles MTP1 of the SS7 stack. For MTP2 the M28480 provides LSSU/FISU message filtering and transmission/auto-generation.

We can provide the datasheet and user manuals as well as an evaluation process that will allow you to get a look at this product before the end of life of the current product. We will provide integration support and advice once you have the product in testing and evaluation. We are here to ensure the transition of the product is seamless to you and you customers.

Simple Software Migration path

For those customers using NexusWare Core for their development and applications, the migration path is very simple. You will only need to build the new architecture under NexusWare Core Development Environment version 12.3, which is 8568. Then recompile the application in this environment and upload to the card and you will be ready to run the application.

For customers using our NexusWare WAN based protocols only the nwc configuration file will change, the host application only needs to be recompiled. Sub-channeling is supported on all trunks of the CPC308A and the trunks are controlled by the MCC on the CPC324A. All TDM WCP software is supported as either embedded or network so you can use either the PCI Bus or the TCP/IP. New NexusWare Core and NexusWare WAN software kits that are compatible with the new hardware will be required.