

Ray Carlsen <rcarlsen@tds.net> wrote:

> On 10/27/2013 9:30 AM, SbM wrote:
>> Ray Carlsen <rcarlsen@tds.net> wrote:
>>
>>>> > All 264 series share the TED and many other chips, but -
>>>> > according to my in-memory statistics - none of the others is as
>>>> > susceptible to failures as the mighty TED. The CPU comes next,
>>>> > trailed by the 16/116 PSU..
>>>>
>>>> You're right, the PSU is prone to failure : I had two here, and
>>>> they died on me litterally one after the other.
>>>>
>>>> As a side question : what would you all recommend as a good
>>>> replacement PSU to limit possible damage to the 264-series
>>>> computers ?
>>>
>>> A C128 PS is a good alternative since it's a switcher and its 5VDC
>>> source has a greater current capacity. I've "pigtailed" a C64
>>> power connector on a few of them for customers. The first one I
>>> modded for myself, and it's presently in use on my test bench.
>>> There are a few after-market "hacks" out there that users have
>>> assembled for themselves. They consist of a switching supply in the
>>> form of a wall wart (5VDC at 2 Amps or more), a transformer for the
>>> 9VAC, all fit in a case with the appropriate connector. Buying
>>> everything new makes it rather pricy but it's much more reliable
>>> than the Commodore brick. Then there is the Computer Saver circuit
>>> that gets installed inside the computer or that can be built as a
>>> stand-alone device. That allows the computer to be used with any
>>> compatible PS safely.
>>
>> Thanks for all the info, Ray :)
>>
>> As regards the C16/116, I guess any good-quality regulated 9VDC
>> power supply should be OK, right?
>
> Yes, but it doesn't need to be regulated. The original C16/116 series PS
> was just a transformer, rectifier and filter capacitor. The 5V regulator
> is inside the computer. So, just about any DC supply of 9 volts at 1 Amp
> or more would work as long as the DC connector is a correct physical
> match and the polarity is correct. That's important!

OK, thanks a lot for clarifying that. I have an Apple Stylewriter PSU
here that is a perfect replacement for the original C16 PSU.

--

[SbM]

"If the French were really intelligent, they'd speak English" (W. Sheed)
