A word on behalf of Zilog from the one-and-only Titan of Technology...

POWER MANAGEMENT

THAT’S TWO WORDS, BUT WHO’S COUNTING?

Introducing Zilog’s Z8 Encore! XP F6482 Series of Flash Microcontrollers!

Based on Zilog’s advanced 8-bit eZ8 CPU core, these MCUs support 1.8 V to 3.6 V low-voltage operation with extremely low Active, Halt, and Stop Mode currents

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<td>1.8 V to 3.6 V Flash memory</td>
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<td>16-bit, 16-bit CCP block</td>
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<td>Supervisory circuits</td>
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<td>RC power management controls</td>
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<td>2.5 V 5V1 and 5.5V1 internal pullups</td>
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<td>Two Enhanced Series peripheral including SPIM controller</td>
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<td>PC controller which supports Master/Slave modes</td>
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<td>Write/Read Sectors (WRS)</td>
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<td>44 pins and 56 pin packages</td>
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<td>Wireless Oven Timer</td>
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More Power to You

With Zilog’s Z8 Encore! XP F1680 Series of Flash MCUs
Based on Zilog’s advanced 8-bit eZ8 CPU core

These microcontrollers are optimized for low-power applications and support 1.8V to 3.6V of low-voltage operation with extremely low Active, Halt, and Stop Mode currents

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<td>18-bit eZ8 CPU core</td>
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<td>+5V, 16MHz, or 74MHz Flash memory with interrupt programming capability, with on-Chip Debugger (OTG)</td>
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<td>5 V, 10 MHz, 8-bit A/D</td>
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<td>Up to 8-channel, 10-bit Analog-to-Digital Converter (ADC)</td>
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<td>Three advanced 16-bit Timers with Capture, Compare and PWM capability</td>
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<td>16-bit Multi-Channel Timer which supports 16-bit Capture/compare/PWM modules (34-pin packages only)</td>
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<td>On-chip Low Power Operational Amplifier (OPA)</td>
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<td>Watchdog Timer (WDT) with independent internal clock and timer</td>
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To learn more about Zilog’s 3800 Series, or to download product collateral and software, please visit www.zilog.com
HELLO, ALL WHO FOLLOW THE ONE-AND-ONLY TITAN OF TECHNOLOGY!HAVING JUST SAVED THE DAY FOR MY DAUGHTER AND ALL OF THE NETWORK CORPORATION, I’VE TAKEN FLIGHT...LEAVING THOSE WHO WITNESSED THE BIZARRE SCENE THE TASK OF EXPLAINING IT ALL TO THE COPPERS WHILE I CLEAN THE OK’ BATTLE WOUNDS! BUT ADVENTURE IS NEVER FAR BEHIND WHEN YOU ARE CHOSEN TO BEAR THE NAME OF CAPTAIN ZILOG.

AND THEN THE SECURITY GUARDS CHANGED INTO ALIENS...AND YOU WERE ABDUCTED BY A MONSTER AND TAKEN INTO A COMPUTER.

LOOK, I KNOW HOW ABSURD ALL THIS MUST SOUND, BUT...

OFFICER! YOU MUST BELIEVE HER! I WAS STANDING NEXT TO HER WHEN IT ALL HAPPENED!

...AND THEN CAPTAIN...UGH...ZYGOTE... FLEW AWAY?

ZILOG! CAPTAIN ZILOG...AND YES!

WOULD YOU AGREE TO A FIELD SOBRIETY TEST? I’M SURE YOU UNDERSTAND...

OH, COME ON! SERIOUSLY?

WHAT NOW BOTTLENECK? WE GOT OUR TAILS KICKED AND NO JEN STACEY!

WE’RE LOW ON ENERGY, DIM ONE. WE MUST RETURN TO THE SHIP AS INSTRUCTED.

ROSS SHOULD HAVE CAPTURED THE CHIEF BY NOW...AND WHERE THE CHIEF GOES...

CAPTAIN JERK-LOG GOES!

IN THE BLINK OF AN EYE THE VILLAINOUS DUO VANISH, TRAVELING AS SUB-ATOMIC PARTICLES.

ELSEWHERE, THE CAPTAIN STREAKS INTO DEEP SPACE!

NO IDEA WHERE I’M GOING...AS IF ON AUTO-PILOT! I CAN FEEL THE ZILOG...IT’S PULLING ME TOWARD IT!
THOUSANDS OF LIGHT YEARS AWAY, A STAR SHINES AS BRIGHT AS THE SUN ITSELF...

THE ZILOG EMBRACES THE CAPTAIN, BATHING HIM IN A BLINDING LIGHT SO BRILLIANT AS TO BE SEEN A MILLION MILES AWAY.

IT DISASSEMBLES THE HUMAN ONCE KNOWN AS NICK STACEY, AND REASSEMBLES HIS ZILOG-AUGMENTED BODY...

THE LIGHT REPAIRS, UPGRADES AND IMPROVES THE LIVING CIRCUITRY THAT COMPRISES HIS SUPER-HUMAN BODY

ITS ORIGINS ARE UNKNOWN...

...EVEN TO THE CAPTAIN HIMSELF...

...IT SIMPLY IS.

AS A LIVING MACHINE HE DEPENDS ON THE ZILOG TO GIVE HIM THE ENERGY HE NEEDS TO LIVE AND THE MICROPROCESSING SYSTEMS HE REQUIRES TO MANAGE, EXPEND AND RENEW IT.

HE IS BORN ANEW.

THE ZILOG...VANISHED...AND I FEEL ALIVE ONCE AGAIN... IT SEEMS TO KNOW WHEN I NEED IT! AND BY Golly, IT’S TIME TO PUT IT TO USE!

DANG...I JUST TURNED MY DAUGHTER’S WHOLE WORLD UPSIDE DOWN, THEN DISAPPEARED AGAIN!*

...AND WORSE YET, I’M PICKING UP A MAJOR ENERGY EVENT DOWN THERE... I CAN BET DIABOLICUS IS ABOUT TO MAKE HIS MOVE!

*LAST ISH!
Meanwhiule, the chief is having a hard time keeping his feet on the ground! He sits helplessly as his car is pulled aloft by a mysterious spacecraft...

Long time no see, old chum! Diabolicus welcomes you to his flying fortress!

Yeah, a real pleasure! Good to see you looking bad.

You should talk, baldie! You look like three miles of bad road!

Careful... you might hurt my feelings.

I'll hurt more than your feelings if you don't hand it over, tough guy.

So... that's what this is all about...

The database.

...the database.
JUST HAND IT OVER AND YOU'RE FREE TO GO.

I'M GOING ONE WAY OR ANOTHER. Besides, my database was compiled back in our college days.

AND I KEPT IT SAFE... IT'S NEVER BEEN COPIED PHYSICALLY OR DIGITALLY. IT'S IN A PLACE WHERE NOBODY WILL FIND IT... EVER!

PLEASE, SAY HELLO TO THE VAMPIRUS!

WHAT IN THE NAME OF...?!!

LET ME GUESS, TOUGH GUY... THEY'RE NOT IN YOUR DATABASE?

FLY, MY LOVELY VAMPIRUS! FLY... AND FEED!

THOSE FORTY-FOUR PAGES OF HAND-WRITTEN NOTES ARE PRICELESS TO ME... BLUEPRINTS FOR ARTIFICIAL LIFE FORMS THAT WILL RESHAPE THIS WASTEFUL WORLD!

IT MUST EAT YOU UP KNOWING WE USE THOSE SAME NOTES TO DESTROY YOUR PRECIOUS ABOMINATIONS!

THAT IT DOES, CHIEF-AR-ROONIE... BUT I HAVE SOMETHING THAT WILL EAT CAPTAIN ZILOG UP.
THE GRUESOME VAMPIRUS DESCEND UPON THE CITYVILLE AIRFORCE BASE...

SYPHONING EVERY LAST ION OF ENERGY THEY CAN DETECT!

GROWING IN SIZE BY THE MINUTE, THE NOW - MASSIVE VAMPIRUS MAKE A BEE-LINE FOR THE CITY’S ELECTRIC POWER PLANT!

FOLLOW ME! UNDERRINGS! ENDLESS POWER AWAITS!

AND WHAT’S MORE... NO SIGN OF CAPTAIN ZI...

HERE’S YOUR SIGN, BAT-BRAINS!

SMASH!
JEEPERS! THE DATABASE HAS NOTHING LIKE THIS CREATURE... I NAILED IT PRETTY HARD AND IT DIDN'T BLINK!

DIABOLICUS HAS RAISED HIS GAME... WHAT THE... SUDDENLY I'M LIGHT-HEADED...

JUST TOUCHING IT... WIPED ME OUT!

NOT ENOUGH JUICE TO STAY AIRBORNE!

YOUR BLOWS WILL NOT FAZE ME! WE WILL CONTINUE OUR FEAST!

KRASH!

OUCH... I'M GONNA HAVE TO DO THIS AT A SAFE DISTANCE.

THOSE HIGH-VOLTAGE CABLES... THAT'S IT!

NOW HOLD STILL LITTLE FELLA...
AS VAMPIRUS GROWS, HIS ENERGY-DRAINING CAPACITY GROWS! I'M LOSING POWER RAPIDLY,...BUT MY Z1690 AND ITS TRIED AND TRUE ARCHITECTURE SHOULD STOP HIM COLD!

SOMETHING'S HAPPENING, I'LL BEST MAKE MY MOVE!

EAT THIS! WITH 2 CLOCKS FOR YOUR MACHINE CYCLE, YOU CAN'T PROCESS FAST ENOUGH TO RAID OUR POWER RESERVES!

...ONE!!

WE...

..ARE...

HUMANS AND THEIR WASTEFUL TECHNOLOGY MAKE US STRONGER WITH EVERY KILOWATT!

CANT' LET THEM TOUCH ME... I'LL JUST SOUND 'EM UP... INTO ONE CONVENIENT BUNDLE OF UGLY!
TRIPLE JEEPERS! WITH HIS NEW CONFIGURATION, THE XP1680 CAN’T MANAGE HIS POWER CONSUMPTION QUICKLY ENOUGH!

VAMPIRUS IS ONE! THE ZILOG IS DEFEATED!

TAKING MY ENERGY SO FAST THAT I CAN’T BREAK FREE OF ITS GRIP! I HAVE TO MEDITATE... HERE IN THE HEAT OF BATTLE, TO SUMMON THE ZILOG!

REACHING OUT WITH MY MIND OF LIVING CIRCUITRY... UNTIL THE ANSWER REVEALS ITSELF!

SLEEP, PATHETIC ONE! SLEEP, MY ENEMY, THAT VAMPIRUS MAY GROW! HAIL DIABOLICUS!

VAMPIRUS’ VORACIOUS APPETITE CAUSES A CITY-WIDE BLACKOUT!

ONLY WHEN I CONCENTRATE ENTIRELY CAN I SUMMON IT... THAT’S IT!! THE XP 6482! IT OPERATES AT SUPER LOW VOLTAGE!
I can feel the ‘babes working...operating at low power means less for Vampirus to drain!

This is an insult!

Hahaha! You think that’s an insult? Wait till you feel what I’ve done to your 16-bit processing!

We...

Eh...?

Energy!

Stop, underlings! We are one!!

Spzzzzak

They’re turning on the center head... it’s a feeding frenzy!
WHY FIGHT IT, CHIEF-A-GEENO? WE'D LOVE TO BEAT IT OUT OF YOU...

WHY? BECAUSE I GOT MORE RIDE THAN YOU GOT LEATHER TO WEAR IT OUT WITH, THAT'S WHY. I HAVE AN ADVANTAGE....

I'M FLESH, BONE AND BLOOD! NOT A LIVING SOULLESS MACHINE LIKE YOU...

KRAK! POP! ...

...AND MY KUNG-FU AIN'T BAD EITHER! HAYAAAAA!

YOUR KIND IS SIMULATED... FABRICATED TO BE HUMAN! YOU'LL NEVER BE AS GOOD AS THE REAL THINGS... ME!

SUCH BRAVADO, OLD CHUM! I DON'T THINK CRASHER GOT THE MEMO!

I GOT HIM, BOSS!

THE DATABASE, NOW.

MY NOSE... IT'S BROKEN!
While back at the city power station, true to their blood-sucking nature, the vampirius greedily sink their fangs into themselves, unable to control their urge to feed.

Let go of us at once... we are one!

It’s unable to absorb the energy it’s draining from itself... returning it to the station conduits!

They’ve consumed the dominant head... and split into separate entities...

Not to blow my own horn... but toot-toot! Zilos has done it again!

Vampirius shrinks exponentially as the 2805.1 redirects the stolen energy out of the monster’s configuration...

Later, the secret D.O.C.S. Police have taken over the investigation into the events at Netwerx headquarters...

...that’s right, Lieutenant, after all these years I’m back... I need a couple of days to explain it all! Which reminds me... where’s the chief?

*The Department of Cyber Security to which our beloved chief belongs!*

**Back in captain Zilos #2!**
THE CHIEF HAS BEEN MIA SINCE THIS WHOLE THING STARTED!

THAT'S ODD... OL' CHIEF WOULD NEVER MISS THIS KIND OF ACTION.

I'LL CATCH UP WITH YOU LATER, CAP'N.

NEITHER WOULD I... FATHER.

HUH...? JEN?

I'M SORRY I DIDN'T BELIEVE YOU. I'M GLAD YOU'RE BACK.

ME TOO, SWEETHEART. ME TOO.

MOM SAID YOU LEFT US. THAT YOU HAD TO... I DIDN'T UNDERSTAND TIL NOW.

I DON'T EVEN KNOW WHERE TO START, EXCEPT TO SAY...

I HAVE TO GO... BUT THE BATTLE WITH VAMPIRUS TOOK MOST OF MY POWER. I'M TOO WEAK..

CAPTAIN ZILOSG! WE HAVE A REPORT OF A UFO OVER EASTBOUND 200!

MAYBE YOU ARE..

...BUT I'M NOT!

YOU...?
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