AMI Porting guide



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- 1. Introduction
- 2. First Chapter
- 3. AMI-AST2500 Configuration
 - i. Packages
 - ii. Features
 - iii. Development Kits
 - iv. Basic
 - i. AST2500
 - ii. AST2500EVB
 - iii. General
 - v. IPMI
 - vi. KVM
 - vii. MCTP
- 4. PMC file in PMCP
 - i. Device Connection editor
 - ii. AMI Configuration
 - iii. Bridge Cfg
 - iv. Chassis Cfg
 - v. Dual Image Config
 - vi. FW Firewall Config
 - vii. Lan Channel x Cfg
 - viii. LANx Config Params
 - ix. IPMB Chann Cfg
 - x. Login Audit Config
 - xi. Misc Configuration
 - xii. Sol Config Params
 - xiii. Trigger Event Config
 - xiv. User Cfg
 - xv. Watchdog Configuration
 - xvi. FRU Cfg

AMI RR10 Porting guide

使用專案 FRB Purley (Artemis) 做為範例

開發流程

- AMI-AST2500 Configuration
- PMC file in PMCP

AMI-AST2500 Configuration

- Packages
- Features
- Basic
- Development Kits
- Device
- IPMI
- KVM
- MCTP
- Media
- Platform
- Smash
- Software
- Test Tools
- WSMAN

Packages

勾選需要的**Package**

ome/km/lkHl-AST2500/configs/ast2500evb.json - AMI-AST2500 Configuration	
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-timedeati-2,28,0	
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-*- librationf-2.0.0	
-*- libnetwork-2.16.0	
-*- libnes ad-2.3.0	
-*- libnss inni-2.0.0	
-*- 11bnss 1dap-2.4.0	
-*- libnss radius-2.3.0	
[*] libnas raydusers-2.2.0	
[*] libntpoonf-2.2.0	
-*- libcemsmclp-2.0.0	
[] liboensystemlog=1.4.0	
-*- libopenapml-2.0.0	
-*- libopenradius-2.1.0	
-*- libpanhelper-2.3.0	
-*- libpdkapp-3.3.0	
-*- libpeci-2.0.0	
-*- libphyconf-2.0.0	
-*- libpmbus-2.0.0	
-*- libprocmanager-2.3.0	
-*- libpwmtach-2.0.0	
-*- libqom-2.5.0	
[*] libqomolient-2.2.0	
-*- libracsessioninfo-2.7.0	
-*- libradiusconf-2.8.0	
-*- libreset-2.0.0	
-*- libriog-2.1.0	
-*- libsafesystem-2.3.0	
-*- libsession-2.2.0	
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Features

FRB Purley (Artemis) 所需設定的features如下

	- Features -	
row keys navigate the menu. <enter> se</enter>	lects submenus> . Pressing <y> includes, <n> excludes features. Legend: [*] included [] excludes features.</n></y>	ied
	<pre>(*) "SIG Authentication Backup/Restore BMC Configurations> Default Bonding> Default Bonding> Distr Honitor> Ulasher> davaSIL> davaSIL> Processmanager> Bingleport Feature Runtime> Bingleport Feature Runtime> Bingleport> Bingleport Feature Runtime> Bingleport Feature Runtime> Bingleport></pre>	
	<pre>cSelect> < Exit > < Save > < Load ></pre>	

Development Kits

nome/ken/AMI-AST2500/configs/ast2500evb.json - AMI-AST2500 Configuration	
Main > Development Kits	
Development Kits	
Arrow keys navigate the menu. <enter> selects submenus> . Pressing <y> includes, <n> excludes features. Legend: [*] included [] excluded</n></y></enter>	
APML> Disable MID Support> Driver Logging> IPMI Library (libipmi) interface specific support> UART Route>	
<exit> < Save > < Load ></exit>	

UART Route ---> (依所需UART需求做設定) [*] Enable the default Routing option for UART routing UART to UART Routing for BMC ---> UART to UART Routing for SOL ---> UART to UART Routing for SYS ---> UART to UART COM(Input/Output) Port Routing for BMC ---> UART to UART COM(Input/Output) Port Routing for SOL ---> UART to UART COM(Input/Output) Port Routing for SYS --->

Basic

/home/ken/AMI-AST2500/configs/ast2	2500evb.json - AMI-AST2500 Configu	ration			
> Main > Basic					
		Basic			1
Arrow keys navigate the menu.	<enter> selects submenus> .</enter>	Pressing <y> includes,</y>	<n> excludes features.</n>	Legend: [*] included [] excluded
	AST2500 AST2500EVB General	> >			
	CSelect	< Exit > < Save	> < Load >		

AST2500

 [201] P3V_BAT_R [182] P5V_AUX_SCALED [182] P12V_SCALED [182] PVDDQ_GHJ_SENSOR [182] PVCCSA_CPU0_SENSOR [182] PVDDQ_ABC_SENSOR [182] PVDDQ_DEF_SENSOR 	F4 F5 E2 E1 F3 E3 G5	ADC0_GPIW0 ADC1_GPIW1 ADC2_GPIW2 ADC3_GPIW3 ADC4_GPIW4 ADC5_GPIW5 ADC6_GPIW6	
 [182] PVDDQ_DEF_SENSOR [182] PVDDQ_KLM_SENSOR [182] PVCCIN_CPU0_SENSOR [182] PVCCIO_CPU0_SENSOR [182] PVPP_ABC_SCALED [182] PVPP_GHJ_SCALED [182] PVPP_KLM_SCALED [182] PGPPA_AUX_SCALED [182] PVNN_PCH_AUX_SENSOR 	G5 G4 F2 G3 G2 F1 H5 G1 H3 H4	ADC5_GPIW5 ADC7_GPIW7 ADC8_GPIX0 ADC9_GPIX1 ADC10_GPIX2 ADC12_GPIX4 ADC12_GPIX5 ADC12_GPIX5 ADC14_GPIX6 ADC15_GPIX7	ADC -

如圖所示, 專案 FRB Purley (Artemis) 有16條ADC 所以Number of Maximum ADC channels為(16).

	-AST2500-	2
Arrow keys navigate the menu.	<pre><enter> selects submenus> . Pressing <y> includes, <n> excludes features. Legend: [*] included [] excluded</n></y></enter></pre>	
	Number of Maximum ADC channels (16)	
	[] Enable LPC to AHB Bridge	
L		-
<u></u>	Contract (Exit) (Save) (Load)	

AST2500EVB



如電路圖所示, SPI Flash大小為32MB 所以Total Size of Flash為 (0x2000000)



使用 所以Total Memory Size為 (0×1F000000)

如電路圖所示,Memory大小為512MB,扣掉VGA RAM

Memory ECC support (開啟ECC suport)

Number of Network Interfaces (2) (網路界面數量)



General



Baudrate for TTY to be used as console (38400) Baudrate 設為38400

- [*] Set default network config to DHCP 預設DHCP
- [*] Faster Boot Support enable Faster Boot

IPMI

<pre>row keys navigate the menu. <inter> selects submenus> , Pressing <f> includes, <i>>>> kecludes features. Legend: [*] included [] excluded</i></f></inter></pre>		-IPMI-
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<pre>() VDD Status Check</pre>		
<pre>(VDD Status Check %L> Cached Sensor Reading Support> (*) FLM IFMI Command Support I hats Transfer Command Support IPV6> IPV6> INT Configuration Version Check> Allow VLAN Friority Set In VLAN Disabled State> INT Sende Message Reagonse Header> Interface Specific Message Handling Support> Nultiple BMC> IPMI Configurations Directory Path> Configurations Directory Path> Disable Empty Password Login> Bupport for more than 256 sensors> IPMI Command handling during flashing> IPMI Command handling during flashing> UNI Version> US OF Bit> User Fassword Encryption> User Fassword Encryption></pre>		
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SEL> Cached Sensor Reading Support> [*] FLM IPMI Command Support [] Data Transfer Command Support IPMI Response Auto Timeout> IPMI Configuration Version Check> Allow VLAN Friority Set In VLAN Disabled State> IPMI Send Message Response Header> IPMI Send Message Response Header> Multiple BNC> IPMI Send Message Response Header> Multiple BNC> IPMI Send Message Response Header> Multiple BNC> IPMI Send Message Response Header> Configuration Subcotory Path> Disable Empty Password Login> Delayed LAN Setting Support> Support for more than 256 sensors> IPMI Interface Thread Priority> DCMI Version> Node Manager> User Password Encryption>		[] VDD Status Check
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<pre>(*) PLUM IPHI Command Support [] Dist Transfer Command Support [] Dist Transfer Command Support [PMI Response Auto Timeout>] PMI Response Auto Timeout>] Internal Sensor Support>] Interace Specific Message Realphing Support>] Interace Thread Specific Message Realphing Support>] Interace Thread Priority>] Interace</pre>		Cached Sensor Reading Support>
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<pre>IPMI Response Auto Timeout> IPM> IPM> IPMI Configuration Version Check> IPMI Configuration Version Check> IPMI Send Message Response Header> IPMI Send Message Reanging Header> IPMI Send Message Reanging Header> IPMI Thread Monitor> IPMI Configurations Directory Path> IPMI Configurations Directory Path> IPMI Configurations Directory Path> IPMI Configurations Directory Path> IPMI Command handling durport> IPMI IPMI Command handling durport> IPMI IPMI IPMI IPMI IPMI IPMI IPMI IPMI</pre>		[] Data Transfer Command Support
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User Password Encryption>		
Set Password Encryption>		Node Manager>
Colorra - Evit N Save N Toad N		User Password Encryption>
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Salarry K Byit N K Save N K Toad N		
Aslant < Evits < Save S < Load S		
		Selects / Evits / Save S / Load S

SEL---> (Enable Circular SEL Policy)

IPv6 ---> (Enable IPv6)

Disable Empty Password Login ---> (Eisable Empty)

User Password Encryption ---> (針對Password加密)

KVM



- [*] Physical KeyBoard Language Selection Support
- [*] Runtime Enable/Disable of Host lock command
- $\left[{}^{*}\right]$ Automatically lock the host screen upon JViewer Launch
- [*] Allow Multiple KVM session from same client

Auto Video Recording --->

- [*] Pre-Event Video Recording
- [*] Post-Event Video Recording
- [*] Remote Storage Space Support

МСТР

FRB Purley (Artemis) NO SUPORT

PMC file in PMCP

- 1. Device Connection editor
- 2. AMI Configuration
- 3. Bridge Cfg
- 4. Chassis Cfg
- 5. Dual Image Config
- 6. FW Firewall Config
- 7. Lan Channel x Cfg
- 8. LANx Config Params
- 9. IPMB Chann Cfg
- 10. Login Audit Config
- 11. Misc Configuration
- 12. Sol Config Params
- 13. Trigger Event Config
- 14. User Cfg
- 15. Watchdog Configuration
- 16. FRU Cfg

Device Connection editor

EX:Add LM75 sensor

1. Add HW monitir



3. Connect HW monitor and sensor



AMI Configuration

In the PMC file, select AMI Configuration Tab View. This AMI Configuration Parameters are configurable in PMC file and the parameters in this configuration are shown in the screenshot given below:

Name			Value		Descript	ion
▲ AMI Cfg						
Circular SEL			Disable		Disable or	Enable Circular SEL Policy
Overflow Flag			Disable		Circular S	EL overflow Flag
•		m	1.			۲
Device Connection	AMI Configuration	Bond Cfg	Bridge Cfg	Chassis Cfg	DCMI Configuration	» 47

Bridge Cfg

In the PMC File select Bridge Cfg Tab View. The Below Screenshot gives you a clear view of the configurable parameters in Bridge Configurations and the other parameters are added using "Manage Template" option which is explained below,

Name	Value	Description
Bridge Management Configuration		
Bridge State	0x1	Bridge State
ICMB Address	0x10	ICMB Address
ICMB Proxy Address	0x10	ICMB Proxy Address
IPMB Proxy Address	0x20	IPMB Proxy Address
Proxy LUN	0x1	Proxy LUN
ICMB Status1 1		
Run Command	0	Run Command
Bad Command	0	Bad Command
Spurious Response	0	Spurious Response
ICMB Status2 1		
Sent Information	0	Sent Information
Received Information	0	Received information
Other Address	0	Other Address
Run Packet	0	Run Packet
Bad Checksum	0	Bad Checksum
UNK Type	0	UNK Type
Not Start	0	Not Start
Restart Status	0	Restart Status
ARB Wins	0	Arb Wins
ARB Losses	0	Arb Losses

Chassis Cfg

In the PMC File select Chassis Cfg Tab View. The Below Screenshot gives you a clear view of the configurable parameters in Chassis Configurations and the other parameters are added using "Manage Template" option which is explained below,

Name	Value	Description
Chassis Configuration		
System Restart Cause	Unknown	System Restart Cause
Power Restore Policy	AlwaysPowerUp	Power Restore policy
Power Cycle Interval	2	Set the Power Cycle Interval in se
Service Partition Scan	0	System Service Partition Scan
ChassisCapabilities 1		
Provides Front Lockout	Disable	Disable/Enable Front Panel Lockou
Provides Intrusion	Disable	Disable/Enable Chassis intrusion
FRU Info Address	32	FRU Info Address
SDR Device Address	0x20	SDR Device Address
SEL Device Address	0x20	SEL Device Address
SM Device Address	0x20	SM Device Address
Chassis Bridge Function	0x20	Chassis Bridge Function
AMIOptions 1		
AMI Boot Option Data1	0x0	AMI Boot Option Data1
AMI Boot Option Data2	0x0	AMI Boot Option Data2
ChasisPowerState 1		
Power State Restore Policy	AlwaysPowerUp	Power State Restore policy
Power State Control Fault	Disable	Power State Control Fault
Power State Fault	NotDetected	Power State Fault
Power State Interlock	Disable	Power State Interlock
Power State OverLoad	Disable	Power State OverLoad
Power State System Power	On	Power State System Power
Last Power On via IPMI Cmd	Disable	Power State System Power

Dual Image Config

This function provides higher level function to get dual image configuration.

me	Value	Description
Dual Image Cfg		
Firmware Upload Selector	Auto - Inactive Firmware	Firmware Upload Selector

FW Firewall Config

- In the PMC File select FW Firewall Configuration Tab View. If you don't find any configuration in Firmware Firewall Configuration Tab in PMC File, then you need to add the templates by using "Manage Template" option. This option will be displayed by doing a right click operation on FW Firewall Configuration Tab View as explained below.
- 2. If you want to add Firewall Configurations then right click on FW Firewall Configuration Tab View, two options will be displayed, · Load Default Values · Manage Templates
- 3. Select Manage Templates option to open the Manage Templates pop-up as shown in the screenshot below.

Name	Value	Description
FW Firewall Configuration		
Firewall Configs 1		
Net Function	255	Net Function
Command	255	Command
Config	0	Config
Firewall Configs 2		
Net Function	255	Net Function
Command	255	Command
Config	0	Config
Firewall Configs 3		
Net Function	255	Net Function
Command	255	Command
Config	0	Config
Firewall Configs 4		
Net Function	255	Net Function
Command	255	Command
Config	0	Config
Firewall Configs 5		
Net Function	255	Net Function
Command	255	Command
Config	0	Config
Firewall Configs 6		
Net Function	255	Net Function
Command	255	Command

Lan Channel x Cfg

In the PMC File select LAN Channel Configuration Tab View (we have three LAN Channel Configuration LAN Channel 1 Configuration, LAN Channel 2 Configuration and LAN Channel 3 Configuration).For all the three configurations the values will be different but the configuration parameters are similar. The Below Screenshot gives you a clear view of the configurable parameters in LAN Channel Configurations.

Name	Value	Description	
LAN Channel 1 Information			
Channel number	0x1	Channel number	
Channel Type	LAN_RMCP_CHANNEL1_TYPE	Channel Type	
Channel medium	0x4	Channel medium	
Channel protocol	0x1	Channel protocol	
Sesssion Support	MultiSession	Enable / Disable Session support	
Total Active Session	0x0	Total number of Active Sessions	
Auth type Callback	0	Authentication Type for Callback	
Auth type Operator	0	Authentication Type for Operator	
Auth type User	0	Authentication Type for User	
Auth type Admin	0	Authentication Type for Administra	
Protocol Vendor ID	0xf21b00	Protocol Vendor ID in 0x000000 fc	
Auxillary Info	0	Auxillary Information in word	
Message2RQ	0	Enable message to receive msg C	
Channel access mode	AlwaysAvailable	Select Access mode	
Access mode Supported	5	Access mode supported by this c	
Alerting	Enable	Enable or Disable Alerting	
Per Msg	Disable	Enable or Disable per message au	
User Auth	Enable	Enable or Disable user authentical	
Max Privelege	4	Maximum privilege supported	
Allow SetUsrAccess	Allow	Allow set user access command	
Allow SetChannel	Allow	Allow set channel access comma	
Session Limit	15	Session Limit	
Login Status NUP	0	Login Status NUP	

LANx Config Params

In the PMC File select LAN Configuration Tab View (we have Three Configuration Tab Views for this, LAN 1 Config params, LAN 2 Config params and LAN 3 Config params). The Below Screenshot gives you a clear view of the configurable parameters in LAN Configurations,

Name	Value	Description	
LAN Confg Params			
OEM Auth Type	Disable	Enable/Disable OEM authentication	
St Password Auth Type	Disable	Enable/Disable Straight password	
MD5 Auth Type	Enable	Enable/Disable MD5 authentication	
MD2 Auth Type	Disable	Enable/Disable MD2 authentication	
None Auth Type	Disable	Enable/Disable None authentication	
IP Address	0.0.0.0	IP Address in X.X.X.X format in de	
IP Address Src	DHCP	Source for obtain	
MAC address	0x0:0x0:0x0:0x0:0x0:0x0	MAC Address in XX:XX:XX:XX:XX	
Subnet Mask	0.0.0.0	Subnet Mask in X.X.X.X format in (
Primary RMCP Port	623	Primary RMCP Port	
Secondary RMCP Port	0	Secondary RMCP Port	
BMC ARP	Enable	Enable/Disable BMC generated AR	
Gratuitous ARP	Disable	Enable/Disable BMC generated Gr	
ARP Interval	0	ARP Interval	
Default Gateway IP	0.0.0.0	Default Gateway in X.X.X.X forma	
Default Gateway MAC	0x0:0x0:0x0:0x0:0x0:0x0	Default Gateway MAC address in	
Backup Gateway IP	0.0.0.0	Gateway IP in X.X.X.X format in de	
Backup Gateway MAC	0x0:0x0:0x0:0x0:0x0:0x0	Backup Gateway MAC address in	
Community String	AMI	Community String for PET Trap	
VLANID	0	Virtual LAN ID	
VLAN Priority	0	VLAN Priority	
Generate Event	1	Generate Event on User Lock out	
Bad Password Threshold Number	0	The number of attempts the user of	

IPMB Chann Cfg

Name	Value	Description
ICMB Channel Information		
Channel number	0x3	Channel number
Channel Type	ICMB_CHANNEL_TYPE	Channel Type
Channel medium	0x2	Channel medium
Channel protocol	2	Channel protocol
Sesssion Support	Disable	Enable / Disable Session support
Total Active Session	0x0	Total number of Active Sessions
Auth type Callback	0	Authentication Type for Callback
Auth type Operator	0	Authentication Type for Operator
Auth type User	0	Authentication Type for User
Auth type Admin	0	Authentication Type for Administra
Protocol Vendor ID	0xf21b00	Protocol Vendor ID in 0x000000 fo
Auxillary Info	0	Auxillary Information in word
Message2RQ	1	Enable message to receive msg Q
Channel access mode	AlwaysAvailable	Select Channel Access modes
Access mode Supported	0	Access mode supported by this cl
Alerting	Disable	Enable or disable alerting
Per Msg	Disable	Enable or Disable per message au
User Auth	Disable	Enable or Disable user authenticat
Max Privelege	0	Maximum privilege supported
Allow SetUsrAccess	Block	Allow set user access command
Allow SetChannel	Block	Allow set user access command
Session Limit	0	Session Limit
Login Status NUP	0	Login Status NUP
		A PERSONAL ANDRESS

Login Audit Config

In the PMC File select Login Audit Configuration Tab View. This Login Audit Configuration Parameters are configurable in PMC File and the parameters in this configuration are shown in the screenshot given below:

Name	Value	Description
Login Audit Configuration		
Web Login Event	Disable	Enable/Disable Web login event
Web Logout Event	Disable	Enable/Disable Web logout event
Web Auto-Logout Event	Disable	Enable/Disable Web auto-logout event
Web Login Failed Event	Disable	Enable/Disable Web Login Failed even
IPMI Login Event	Disable	Enable/Disable IPMI login event
IPMI Logout Event	Disable	Enable/Disable IPMI logout event
IPMI Auto Logout Event	Disable	Enable/Disable IPMI auto-logout event
IPMI Login Failed Event	Disable	Enable/Disable IPMI Login Failed event
TELNET Login Event	Disable	Enable/Disable TELNET login event
TELNET Logout Event	Disable	Enable/Disable TELNET logout event
TELNET Auto Logout Event	Disable	Enable/Disable TELNET auto-logout ev
TELNET Login Failed Event	Disable	Enable/Disable TELNET Login Failed ev
SSH Login Event	Disable	Enable/Disable SSH login event
SSH Logout Event	Disable	Enable/Disable SSH logout event
SSH Auto Logout Event	Disable	Enable/Disable SSH auto-logout event
SSH Login Failed Event	Disable	Enable/Disable SSH Login Failed even
KVM session started event	Disable	Enable/Disable KVM session started e
KVM session finished event	Disable	Enable/Disable KVM session finished
KVM Authentication Failed Event	Disable	Enable/Disable KVM Authentication fai
KVM permission failed Event	Disable	Enable/Disable KVM permission failed

Misc Configuration

Vame	Value	Description
MISC Cfg		
System log hostname	0.0.0.0	Set the System log host name
Syslog Port	0	system log port no
Syslog enable/disable	Disable	system log enable/disable
SNMP Port	0	snmp port no
Time Zone	America/New_York	Set the Time Zone

Sol Config Params

In the PMC File, select SOL Configuration Tab View. The Configurable SOL Parameters in PMC File are given below in the Screenshot. We have three tab views for SOL Configuration (SOL 1 Config Param, SOL 2 Config Param and SOL3 Config Param). For all the SOL Configuration the parameters are same and can be configured in the same way as one another.

Name	Value	Description
SOL1 Configuration		
SOL Enable	Enable	Enable/Disable SOL Payload
SOL Encryption	DoNotForce	Enable forcing Encryption
SOL Authentication	DoNotForce	Enable forcing Authentication
SOL Max Privelege	User	Maximum Privelege for SOL
Char Threshold	96	Character Accumulate Threshold
Char Interval	12	Character Accumulate Interval
SOL Retry Count	7	SOL Retry Count
SOL Retry Interval	50	SOL Retry Interval
Non Volatile Bit Rate	8	Non Volatile Bit Rate
Volatile Bit Rate	8	Volatile Bit Rate
SOL Payload Channel	1	SOL Payload Channel
SOL Payload Port	623	SOL Payload Port

Trigger Event Config

In the PMC File select Trigger Event Configuration Tab View. This Trigger Event Flags are configurable in PMC File and the parameters in this configuration is shown below in the screenshot, In this case all the configuration parameters are displayed in Trigger Event Configuration Tab View. It is not necessary for doing the Manage Template to add configurations as such we have done for SMBUS Channel Configurations. For example, if you want to enable the Critical Condition Trigger Event then that can be done in the PMC File as shown below. In the above screenshot it is already in the disable state. Click on Value Field of Critical Flag Parameter, Enter the Value as 1 and save the configurations using CTRL+S key and generate the configuration O/P by using Generate Configuration O/P Option in MDS. Similarly the other parameters are changeable.

Name	Value	Description
Trigger Event Configuration		
Critical Flag	0	Critical Flag
Non Critical Flag	0	Non Critical Flag
Non Recoverable Flag	0	Non Recoverable Flag
Fan Troubled Flag	0	Fan Troubled Flag
WatchDog Timer Expire Flag	0	WatchDog Timer Expire Flag
System DC On Flag	0	System DC On Flag
System DC Off Flag	0	System DC Off Flag
System Reset Flag	0	System Reset Flag
LPC Reset Flag	0	LPC Reset Flag
Specific Date and Time Flag	0	Specific Date and Time Flag
Specific Date And Time	0x0	Specific Date and Time

User Cfg

Name	Value	Description
User Config		
User Configuration 1		
ld	USER_ID	ID for this User (1431520594 - USI
User Id	1	User Id for this User
User Name	Admin	User Name for this user
Password	Admin	Password for this user
Max Password Size	16	Max Password size for the user
EmailID		Email ID for forgot password optio
User Status	Enable	Disable/Enable this user
Fixed User Status	Enable	Disable/Enable fixed user
Email Format	AMI-Format	Email Format for the User
Shell type	0	Shell type for this user
Extended privilege	3	User Enhanced or Extended Privile
User Password Configured	Enable	Allow Default Empty Password

Watchdog Configuration

In the PMC File select Watchdog Configuration Tab View. The watch dog timer configurable parameters are shown in the below screenshot.

Name	Value	Description
Watchdog Cfg		
Timer Logging	Disable	Disable or Enable Timer use logging
Timer Stopping	DoNotStop	Stopping the Timer
Timer Usage	Reserved	Timer Usage
Pre Timeout Interrupt	None	Pre Timeout Interrupt
Pre Timeout Action	NoAction	Pre Timeout Action
Pre Timeout Interval	0	Pre Timeout Interval
Timer OEM Flag	LeaveAlone	LeaveAlone or Clear Timer OEM Flag
Timer SMS/OS Flag	LeaveAlone	LeaveAlone or Clear Timer SMS/OS F
Timer OS Load Flag	LeaveAlone	LeaveAlone or Clear Timer OS Load F
Timer BIOS POST Flag	LeaveAlone	LeaveAlone or Clear Timer BIOS POS
Timer BIOS FRB2 Flag	LeaveAlone	LeaveAlone or Clear Timer BIOS FRB
Initial CountDown	0	Initial CountDown

FRU Cfg

ne	Value		Description
RU Configuration			
Manage templates			X
Templates		Instances	
BoardInfoArea ProductInfoArea BoardPointToPointConnectivity CarrierInformationTable CarrierActivationAndCurrentManagem CarrierPointToPointConnectivity AmcPointToPointConnectivity InternalUseArea ChassisInfoArea ModuleCurrentRequirements ShelfManagerIPConnectionRecord ShelfActivationPowerManagementRec AddressTable	 ₽ ₽		