

battmem

COLLABORATORS

	<i>TITLE :</i> battmem		
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REVISION HISTORY

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Chapter 1

battmem

1.1 battmem.doc

```
ObtainBattSemaphore()      ReleaseBattSemaphore()  
ReadBattMem()             WriteBattMem()
```

1.2 battmem.resource/ObtainBattSemaphore

NAME

ObtainBattSemaphore -- Obtain access to nonvolatile ram. (V36)

SYNOPSIS

```
ObtainBattSemaphore( )
```

```
void ObtainBattSemaphore( void );
```

FUNCTION

Acquires exclusive access to the system nonvolatile ram.

INPUTS

RESULTS

NOTES

SEE ALSO

BUGS

1.3 battmem.resource/ReadBattMem

NAME

ReadBattMem -- Read a bitstring from nonvolatile ram. (V36)

SYNOPSIS

```
Error = ReadBattMem( Buffer, Offset, Len )
```

1.5 battmem.resource/WriteBattMem

NAME

WriteBattMem -- Write a bitstring to nonvolatile ram. (V36)

SYNOPSIS

```
Error = WriteBattMem( Buffer, Offset, Len )
```

```
D0          A0      D0      D1
```

```
ULONG WriteBattMem( APTR, ULONG, ULONG );
```

FUNCTION

Write a bitstring to the nonvolatile ram.

INPUTS

Buffer	Where to get the bitstring.
Offset	Bit offset of first bit to write.
Len	Length of bitstring to write.

RESULTS

Error	Zero if no error.
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NOTES

The battery-backed memory is checksummed. If a checksum error is detected, all bits in the battery-backed memory are silently set to zero.

Partial byte writes (less than 8 bits) result in the bits written being read from the low-order bits of the source byte.

SEE ALSO

BUGS