

**NAME**

memmove – copy memory area

**SYNOPSIS**

```
#include <string.h>
```

```
void *memmove(void *dest, const void *src, size_t n);
```

**DESCRIPTION**

The **memmove()** function copies *n* bytes from memory area *src* to memory area *dest*. The memory areas may overlap: copying takes place as though the bytes in *src* are first copied into a temporary array that does not overlap *src* or *dest*, and the bytes are then copied from the temporary array to *dest*.

**RETURN VALUE**

The **memmove()** function returns a pointer to *dest*.

**ATTRIBUTES**

For an explanation of the terms used in this section, see **attributes(7)**.

Interface	Attribute	Value
<b>memmove()</b>	Thread safety	MT-Safe

**CONFORMING TO**

POSIX.1-2001, POSIX.1-2008, C89, C99, SVr4, 4.3BSD.

**SEE ALSO**

**bcopy(3)**, **bstring(3)**, **memccpy(3)**, **memcpy(3)**, **strcpy(3)**, **strncpy(3)**, **wmemmove(3)**

**COLOPHON**

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