

```
#if defined(CONFIG_HIGHPTE)
#define pte_offset_map(dir, address) \
    ((pte_t *)kmap_atomic(pmd_page(*(dir)), KM_PTE0) + pte_index(address))
#define pte_offset_map_nested(dir, address) \
    ((pte_t *)kmap_atomic(pmd_page(*(dir)), KM_PTE1) + pte_index(address))
#define pte_unmap(pte) kunmap_atomic(pte, KM_PTE0)
#define pte_unmap_nested(pte) kunmap_atomic(pte, KM_PTE1)
#else
#define pte_offset_map(dir, address) \
    ((pte_t *)page_address(pmd_page(*(dir))) + pte_index(address))
#define pte_offset_map_nested(dir, address) pte_offset_map(dir, address)
#define pte_unmap(pte) do { } while (0)
#define pte_unmap_nested(pte) do { } while (0)
#endif
```