

TCE 500B



The TCE 500/B is a narrowband crypto terminal for secure voice and data communication providing end-to-end encryption between users in any type of telephone network. It is approved for all classifications and categories, including 'Top Secret'. The modern feature phones operate in both plain and secure mode. Speech encoding is through CELP at 7,200 bits/s and 4,800 bits/s and through LPC-10 at 2,400 bits/s. Each TCE 500/B has a local data interface that can be used to connect fax machines, PCs and other terminals with digital interfaces. Secure data communication is achieved at data rates up to 14,400 bits/s and it is also possible to exchange voice and data simultaneously. Services provided by the TCE 550 KDC include: generation and distribution of traffic keys to secure telephones on demand; secure transfer of new keys to secure telephones; and operator commands for maintenance and administration of databases.