

I. AUTO ATTENDANT & VOICE MAIL – EVM224s

EVM224s is an integrated Auto Attendant and Voice Mail Module for MS224 system.

The Auto Attendant facilities can be grouped under two main classes, which are Automatic Call Distribution (ACD) and System Status Information.

ACD serves the external callers by guiding them throughout their calls with pre-recorded messages, and hence enables the operator to work more efficiently, especially under high traffic.

System Status Information serves the extensions by informing them about the status of the system and activated features with pre-recorded messages, hence the extensions are always informed about the state of the system and the features activated on their telephones.

The Voice Mail facilities, on the other hand, serves the extensions with private voice mail boxes to be used to leave / receive messages to / from other users.

The EVM224s module is equipped with different types of memory elements to handle all these facilities.

Flash ROM memory chips are employed as non-volatile memory elements for ACD and System Status messages, so that these messages are preserved even when the system power is off. 64 different messages to be used during different states of call handling of ACD can be entered. Similarly, there are 64 different messages reserved for System Status Information. The on-board Flash ROM memory capacity is 4 minutes for ACD messages and 2 minutes for System Status messages. The EVM224s module has six 36-pin connectors on the component side, two of which are used to install the optional EVM-FL (Auto Attendant Expansion) cards. Each EVM-FL card has an ACD message capacity of 2 minutes, so EVM224s can have a maximum ACD message capacity of 8 minutes. The capacity for System Status messages is not incremented by EVM-FL cards.

Dynamic RAM memory chips are employed as volatile memories for Voice-Mail (V-mail) messages, which are not preserved when the system power is off. The on-board Dynamic RAM memory capacity is 15 minutes for V-mail messages. The EVM224s module has six 36-pin connectors on the component side, four of which are used to install the optional EVM-DL (Voice Mail Expansion) cards. Each EVM-DL card has a V-mail message capacity of 15 minutes, so EVM224s can have a maximum V-mail capacity of 75 minutes. The capacity per EVM-DL card may be also increased to 20 minutes by programming, in which case the voice quality is impaired to a certain extent, but the difference cannot be recognized by human ear.

EVM224s supports four voice channels to listen to the messages plus four voice channels to leave or record messages.

There is a LED on the front panel of the card. The LED is blinking when all the voice channels are idle and stays on while at least one of the voice channels is in use.

The external callers can make use of the EVM224s facilities, only if they have DTMF telephone sets in order to be able to key in numbers whenever required by EVM224s.

The outlook of EVM224s card is illustrated in the following figure.

Figure 1

EVM224s is located in the left most (15th) general purpose slot of the system, and it is connected to the BPL224 Backplane through the 96-pin connector on BPL224, that is reserved for EVM224s. The location of EVM224s is illustrated in the following figure.

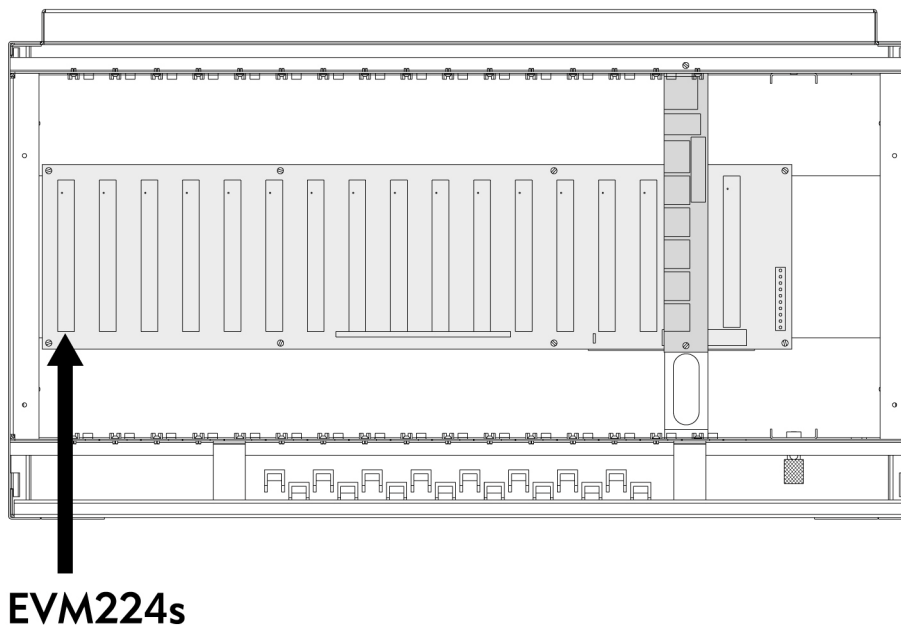


Figure 2

The dimensions of EVM224s are 26 cm x 21 cm and the weight is 0.3 kg.
The dimensions of EVM-FL and EVM-DL are 6.5 cm x 3.5 cm.

INSTALLATION :

At first, additional EVM-FL (Auto Attendant Expansion) and EVM-DL (Voice Mail expansion) cards – if there exist any – must be installed on the EVM224s card through the 36-pin FLASH 1 / 2 and SDRAM 1 / 2 / 3 / 4 connectors, respectively. The first EVM-FL card must be installed to the Flash socket marked as FLASH 1, whereas the second EVM-FL card must be installed to the socket marked as FLASH 2. The first and second EVM-DL cards must be installed on the DRAM sockets marked as SDRAM 1 and SDRAM 2, whereas the third and fourth EVM-DL cards must be installed to the sockets marked as SDRAM 3 and SDRAM 4, respectively (see Figure 1).

After that, the EVM224s card is located in the left most (15th) general purpose slot of the system. For this, the back corners of the EVM224s card must be placed in between the corresponding top and bottom plastic card slots and then, the card must be pushed inside the cabinet, so that the connector at the back of the card fits to the one on the backplane (see Figure 2).