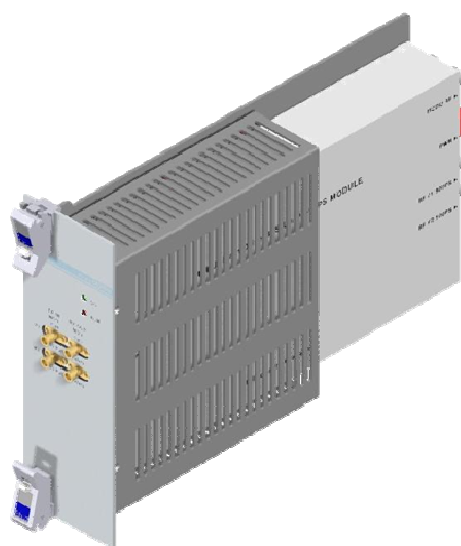
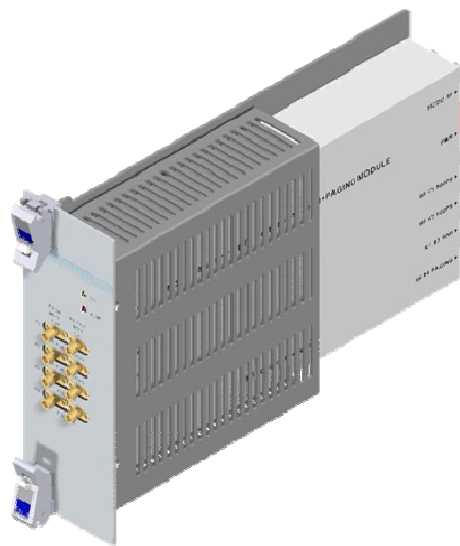


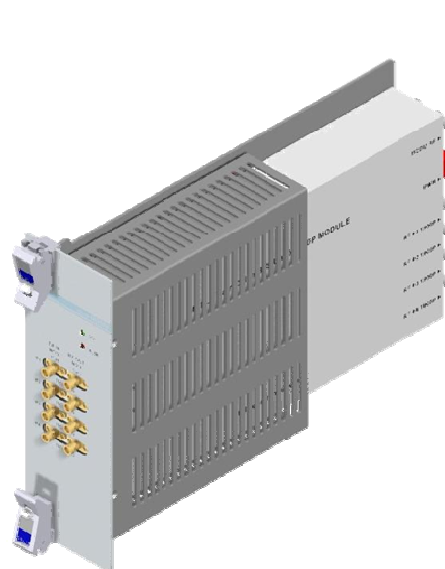
8	700LTEF SISO	Single Band	2 Port	2 Port
9	700LTEF MIMO	Single Band	4 Port	4 Port
10	700LTEF+850C	Dual Band	4 Port	4 Port



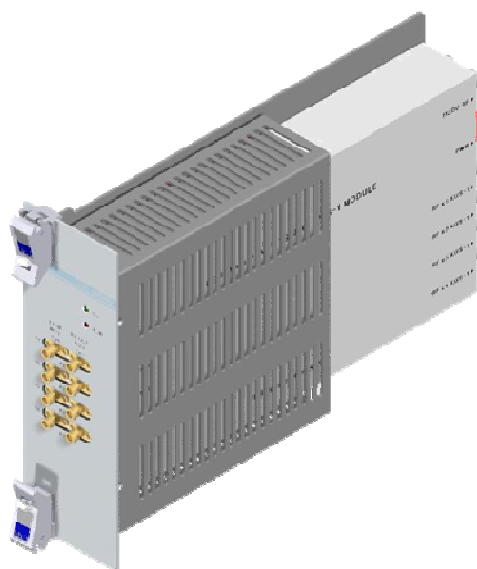
800PS



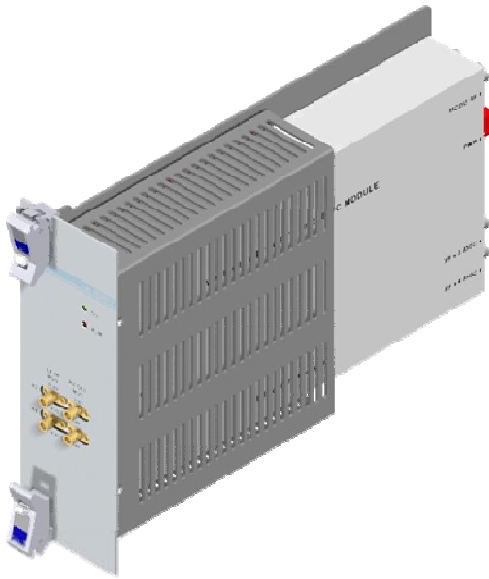
800PS+900I+Paging



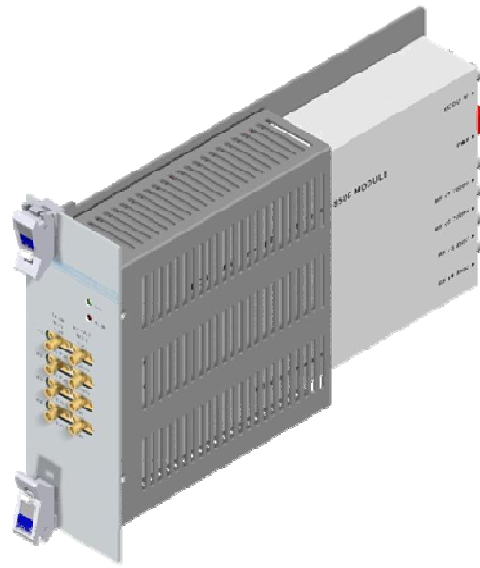
1900PCS



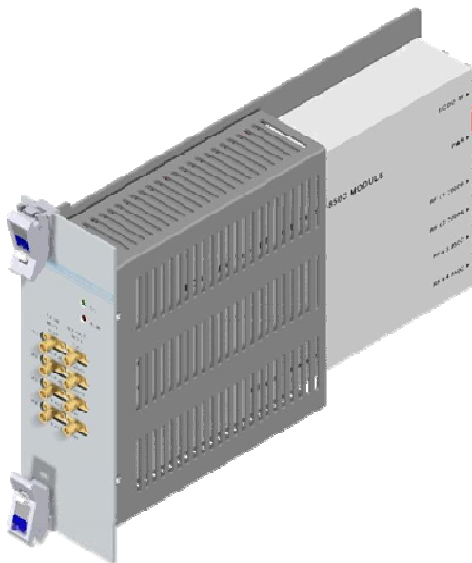
AWS-1



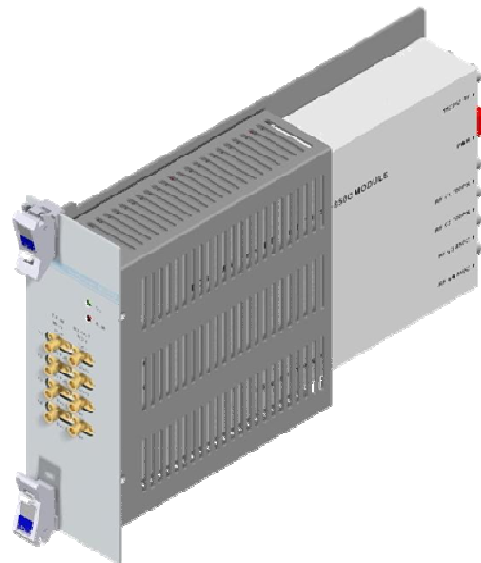
850C



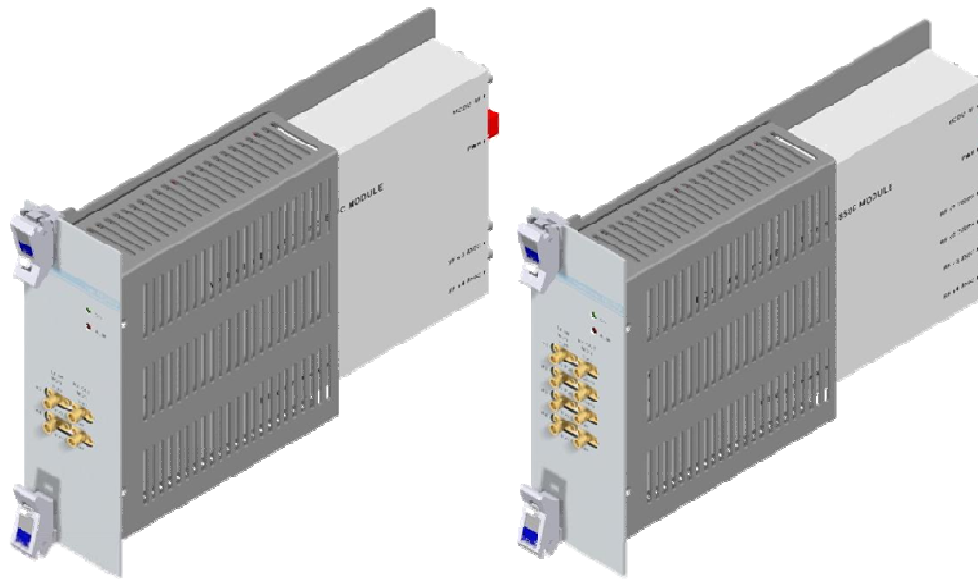
850C+700PS



850C+700LTEC



700LTEF+850C



700LTEF SISO

700LTEF MIMO

Figure 4.3 – MDBU Outer Look

2) Main Com/Div Unit (MCDU)

MCDU combines TX signals that are delivered from MDBU per frequency band and delivers the signals to four ODUs. This unit adds signals of FSK modem to the TX signals before sending them to ROU. It also combines RX signals from up to four ODUs and sends them to up to four MDBUs. In this case, the unit extracts signals of FSK modems, which are sent in a combined form with RX signals, and then delivers the signals to MCU.

The unit has a port to interface with VHF&UHF signals. It has ATT for input monitoring and input control.

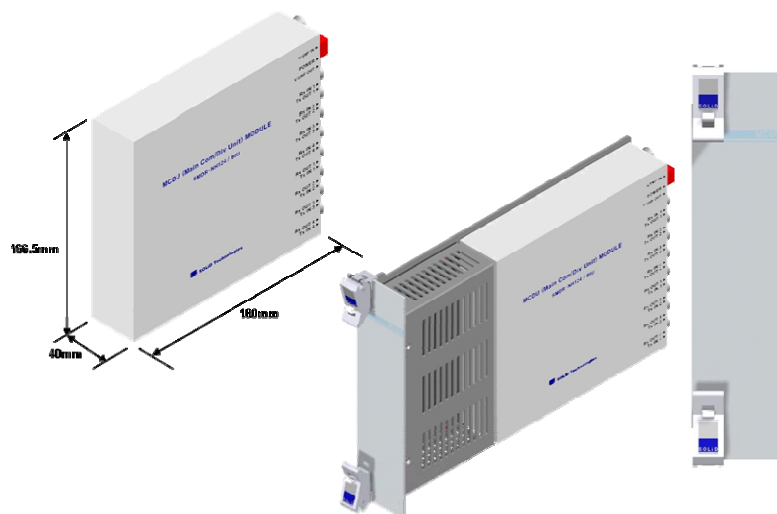


Figure 4.4 – MDBU Outer Look

VHF+UHF frequency band including the following:

No	Unit naming	Description	In/out RF Port	
			TX	RX
1	VHF+UHF	Dual Band	1 Port	1 Port

3) Main Central Processor Unit (MCPU)

MCPU can inquire and control state of modules that are installed in BIU.

This unit can inquire and control state of four ODUs in total. Through communication, it also can inquire and control ROU that is connected with lower parts.

In addition, the unit has RS-232C port for serial communication so that it can inquire and control state of devices through PC. On the front panel, it has communication LED indicator to check communication state with ROU. It also has ALM LED indicator to show whether a device gets faulty.

For access to upper network, it has a port to insert Ethernet port and GSM modem in it.

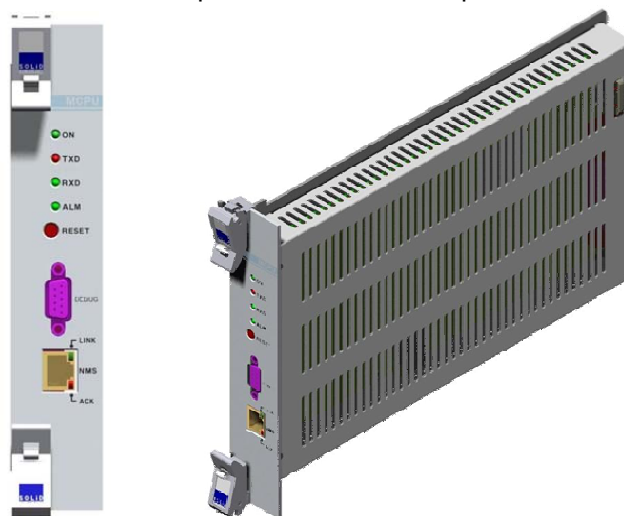


Figure 4.5 – MCPU Outer Look

In the Main Central Processor Unit, a lithium battery is installed for RTC (Real Time Control) function.



CAUTION

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE
DIPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS

[INSTRUCTION]

The equipment and accessories including inner lithium battery are to be disposed of safely after the life span of them and national regulation must be observed. Do not attempt to replace the lithium battery unless service personnel confirmation has first been obtained, to avoid any risk of explosion.

4) Main Power Supply Unit (MPSU)

MPSU receives -48V of input and outputs +6V and +9V of DC power.

On the front panel, this unit has an output test port and it also has DC ALM LED Indicator to show whether output gets faulty.



Figure 4.6 – MPSU Outer Look

4.1.5 Front/rear panels of BIU

1) Front panel