LOCOSYS

● **MID249:**

This MID is used to configuration the module mounting orientation. The right-handed Cartesian coordinate system is used in Core Module. *Your device heading should be the Y-axis* since Core Module firmware indicates the azimuth of positive Y-axis direction. Please pay attention to the mounting orientation of Core Module. It is recommended to mount Core Module with the default mounting mode (M0). M0 is the factory settings. Due to any reason, different mounting orientation is chosen, please set the Core Module with the correct mounting mode (M0~M7) before use. To permanently save mounting mode to flash storage, please complete the device calibration (refer to command "$PLSC,247,1*0C") after changing mode.

◆ Input Command Parameters:

Field Name	Value	Description	Remark
MID	249	Message ID	
Command	0..1	0:query mounting mode 1:set mounting mode	
Mode	0..7	Module mounting mode	Default 0
CheckSum			
<CR><LF>			

◆ Output Command Parameters:

Field Name	Value	Description	Remark
MID	249	Message ID	
Valid	0..1	1:command valid 0:command invalid	
Result	0..7		
CheckSum			
<CR><LF>			

◆ Example

Input	Output	Description
$PLSC,249,0*03	$PLSR,249,1,0*0F	Query mounting mode (0)
$PLSC,249,1,4*1A	$PLSR,249,1,4*0B	Set mounting mode to 4. (rotate core module along Y axis for 180 degrees)
$PLSC,249,1,0*1E	$PLSR,249,1,0*0F	Set back to default mounting mode 0
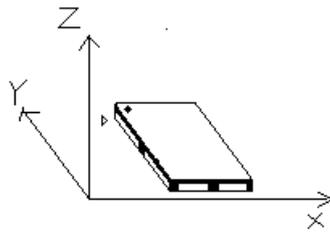
Axes Orientation
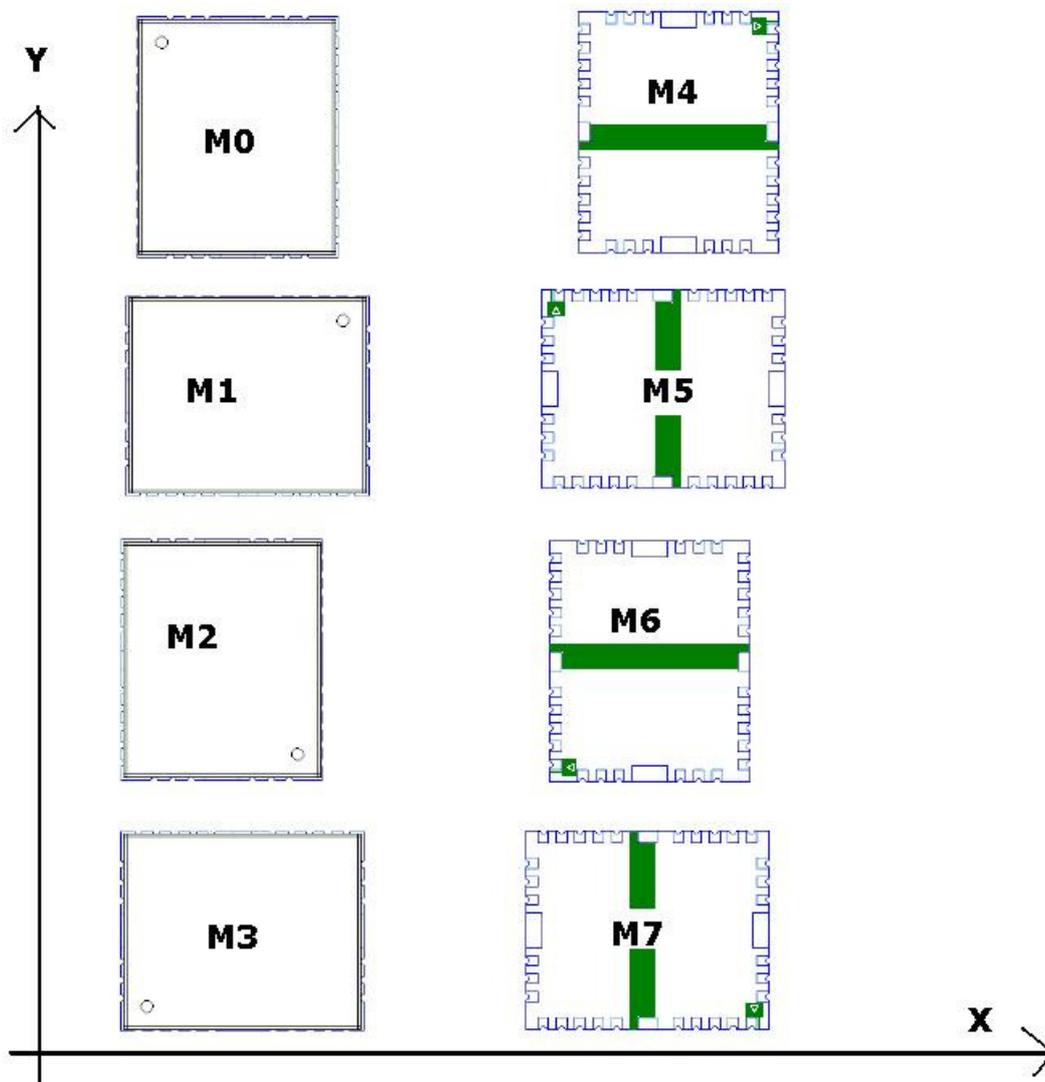
Mounting Modes (Axis Y:Heading Direction)