Table 1 non- PWM Mode OC2x Compare output mode control

COM2x [1: 0]	description
0	OC2x Disconnect, GM IO Port operations
1	Flip compare match OC2x signal
2	Clear compare match OC2x signal
3	When set compare match OC2x signal

The following table fast PWM Mode mode control comparator output waveform of the output comparator.

Table 2 fast PWM Mode OC2x Compare output mode control

COM2x [1: 0]	description
0	OC2x Disconnect, GM IO Port operations
1	Retention
2	Clear compare match OC2x Signal is set to match the maximum value OC2x signal
3	When set compare match OC2x Signal is cleared when the maximum matching OC2x signal

The following table shows the comparison output of the phase correction mode the mode control output of the comparator waveform.

Table 3 Phase correction PWM Mode OC2x Compare output mode control

COM2x [1: 0]	description
0	OC2x Disconnect, GM IO Port operations
1	Retention
2	Cleared when the match count comparator ascending OC2x Signal, the match count comparator descending Set OC2x signal
3	Ascending count comparator match the set OC2x Signal is cleared when the match count comparator DESC OC2x signal

The following table is a waveform generation mode control.

Table 4 Waveform Generation Mode Control

WGM2 [2: 0] Operating mode		TOP Value update OCR2x Time set TOV2 time		
0	Normal	0xFF	immediately	MAX
1	PCPWM	0xFF	TOP	BOTTOM
2	CTC	OCR2A	immediately	MAX
3	FPWM	0xFF	TOP	MAX
4	Retention	-	-	-
5	PCPWM	OCR2A	TOP	BOTTOM
6	Retention	-	-	-
7	FPWM	OCR2A	TOP	TOP