

# ADDLW

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ADDLW	ADD literal to W			
Syntax:	[ <i>label</i> ] ADDLW <i>k</i>			
Operands:	$0 \leq k \leq 255$			
Operation:	$(W) + k \rightarrow W$			
Status Affected:	N, OV, C, DC, Z			
Encoding:	0000	1111	kkkk	kkkk
Description:	The contents of W are added to the 8-bit literal 'k' and the result is placed in W.			
Words:	1			
Cycles:	1			
Q Cycle Activity:				
	Q1	Q2	Q3	Q4
	Decode	Read literal 'k'	Process Data	Write to W

Example:            ADDLW    0x15

Before Instruction

W    =    0x10

After Instruction

W    =    0x25

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