Data Types in ANSI C

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Type	MACRO	Data Type	Storage size	ranger
char	int8_t	8 bits	1 bytes	-128127
unsigned char	uint8_t	8 bits	1 bytes	255
short	int16_t	16 bits	2 bytes	-3276832767
unsigned short	$uint16_t$	16 bits	2 bytes	65535
long	$int32_t$	32 bits	4/8 bytes	$-2147483648\dots 2147483647$
unsigned long	$int32_t$	32 bits	4/8 bytes	4294967295
int	blank	16/32 bits	2/4/8 bytes	$-3276832767 \ or$
				$-2147483648\dots 2147483647$
long long	$int64_t$	64 bits	8 bytes	-9223372036854775808
				9223372036854775807
float	blank	32 bits	4 bytes	$1.17549 \times 10^{-38} \dots 3.40282 \times 10^{38}$
double	blank	64 bits	8 bytes	$2.22507 \times 10^{-308} \dots 1.79769 \times 10^{308}$
long double	blank	128 bits	10 bytes	$3.3621 \times 10^{-4932} \dots 1.18973 \times 10^{4932}$

n.b MACROS are defined in <stdint.h> library