

# WI02: Instant Upwards Comparator Wire

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## Features

- Constant time on/off for all signal strengths  $\leq 15$
- 8gt throughput
- Can input from multiple places

## Applications

- Vertical signal transport.

## General Description

Transports signals upwards in constant time. Horizontal area of  $10 \times 3$ . Can input from multiple places as shown in schem.

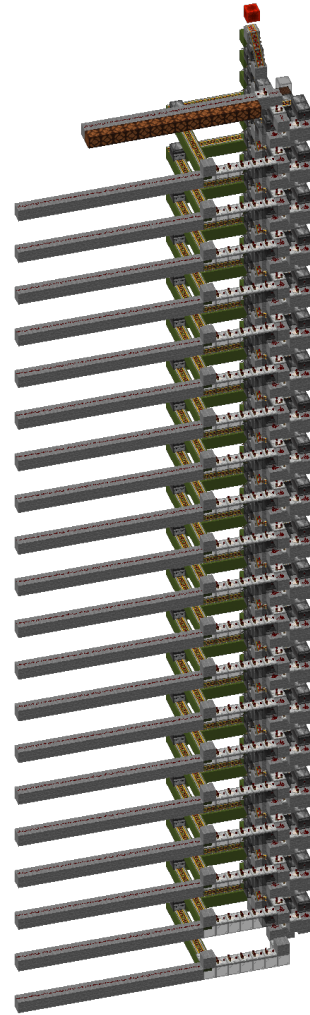


Figure 1: Instant Upwards Comparator Wire

## Device Specifications

**Table 1: Device Specifications**

Parameter	Min.	Typ.	Max.	Unit	Conditions
Throughput	8	-	-	gt	Normal Usage
MC Version	1.16	1.17.1	-	MCV	Latest version at time of writing: 1.19.3
Dimensions	10 x 86 x 24			Blocks	

## Testing Data

**Table 2: Executed Tests**

Test	Result
Throughput test	Device was able to function with 8gt clocked input.

## Download Information

**Table 3: Download Information**

Identifier	MC	File	Description
WI02	1.17.1	<a href="#">WI02_Instant_Upwards_Comparator_Wire.litematic</a>	Schematic of device.