

# EC04: 16gt Item Encoder With Slime And Honey

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## Features

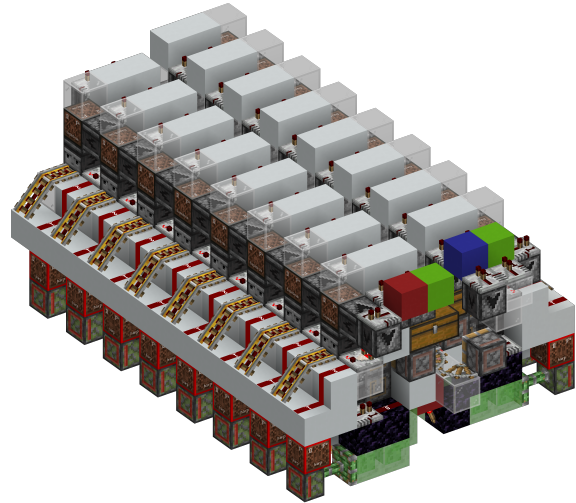
- Half-hopperspeed (16gt) throughput
- Requires only 1 item per type per chest.
- No piston toggle states.

## Applications

- Encoding items

## General Description

The EC04 16gt encoder has a 16gt throughput encoder core which only requires one item per type in a chest. It uses slime and honey in its wiring. Head not included.



**Figure 1: 16gt Item Encoder With Slime And Honey**

## Device Specifications

**Table 1: Inputs**

Name	Range	Description
Item input	Item	Item for encoding.

**Table 2: Outputs**

Name	Range	Description
Item output	Cart	Outputs the inputted item inside a cart.
Item Code	Code	Outputs redstone signals corresponding to mapped code.

**Table 3: Device Specifications**

Parameter	Min.	Typ.	Max.	Unit	Conditions
Throughput	16	-	-	gt	Normal Usage
Active Lag	+2	+3	+4	ms	At half-hopperspeed. Ryzen 5 3600, 2GB RAM. MC 1.19.3 with Lithium.
MC Version	1.16	1.19.3	-	MCV	Latest version at time of writing: 1.20.4
Dimensions	13 x 8 x 24			Blocks	

## Testing Data

**Table 4: Executed Tests**

Test	Result
Item encoding test	Device was able to encode with item input
Throughput test	Device was able to encode at 16gt throughput with randomized input.

## Download Information

**Table 5: Download Information**

Identifier	MC	File	Description
EC04	1.19.3	<a href="#">EC04_16gt_Item_Encoder_With_Slime_And_Honey.litematic</a>	Schematic of device.