Soontech Annals

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.
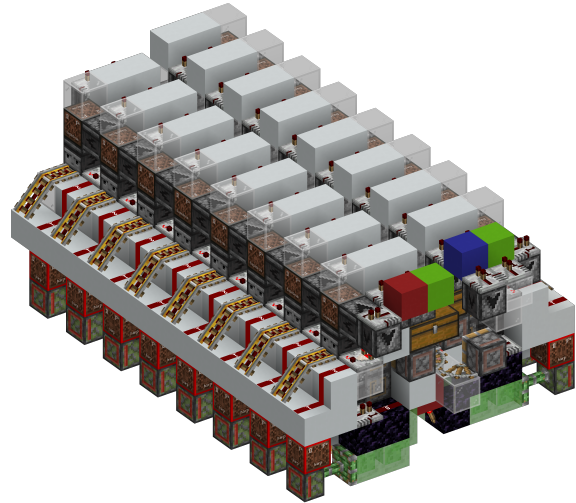

Figure 1: 16gt Item Encoder With Slime And Honey

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	EC04_16gt_Item_Encoder_With_Slime_And_Honey.litematic	Schematic of device.