Soontech Annals

IM06: 8bit Disk Drive Temp Storage
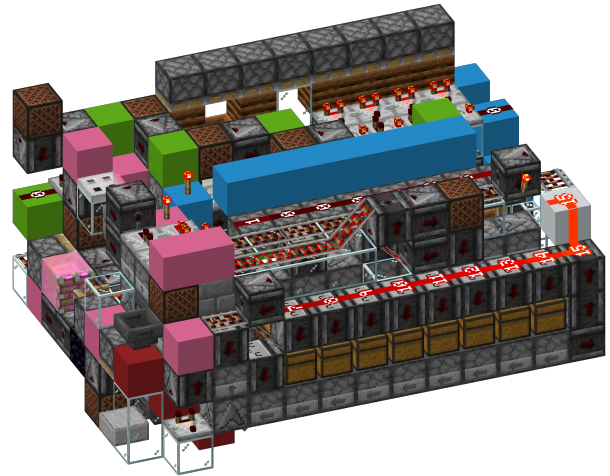
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Tags: item-memory, disk-drive, temp-storage

Features

- Extremely compact, 13x9x7 lwh

- Very accessible inputs, output into waterstream, perfect for plumbing

- Has simple temp logic that gives out both boxes, if another one was in storage already

- Uses water buckets as placeholders, turns them into buckets to store very compact when not needed

- Quick cycle and reset, min.102gt - max.598gt = 17.5 seconds on average per request

- Only uses 21 hoppers, wiring for hopperlocking included

Figure 1: 8bit Disk Drive Temp Storage

Applications

- Dynamic sorting partial box merging loop

General Description

The IM06 can temporarily store and retrieve boxes with a binary code. Intended for keeping the leftover partials of bulk items, for future merging operations. 256 different types can be held by this device.

Device Specifications

Table 1: Inputs

Name	Range	Description
Address Bits 0-7	0-1	Binary address of box.
Hopperlocking	0-1	Hopperlocking control.
Trigger	Pulse	Trigger to start the process.
Box input	box	Box input. Usually a partial box from a splitter.

Table 2: Outputs

Name	Range	Description
Box output	box	Box output. Outputs two boxes with the same type simultaneously when a match is found. Otherwise, the input box is stored.

Table 3: Device Specifications

Parameter	Min.	Typ.	Max.	Unit	Conditions
Minimum Latency	102	-	598	gt	From input to pair output
MC Version	1.17	1.19.3	-	MCV	Latest version at time of writing: 1.21.4
Dimensions		13 x 9 x 7		Blocks	

Testing Data

Table 4: Executed Tests

Test	Result
Pair generation test	Device was able to produce pairs corresponding to the address.

Download Information

Table 5: Download Information

Identifier	MC	File	Description
IM06	1.20.1	IM06_8bit_Disk_Drive_Temp_Storage.litematic	Schematic of device.