Compliance with WEEE

Issue	**06**
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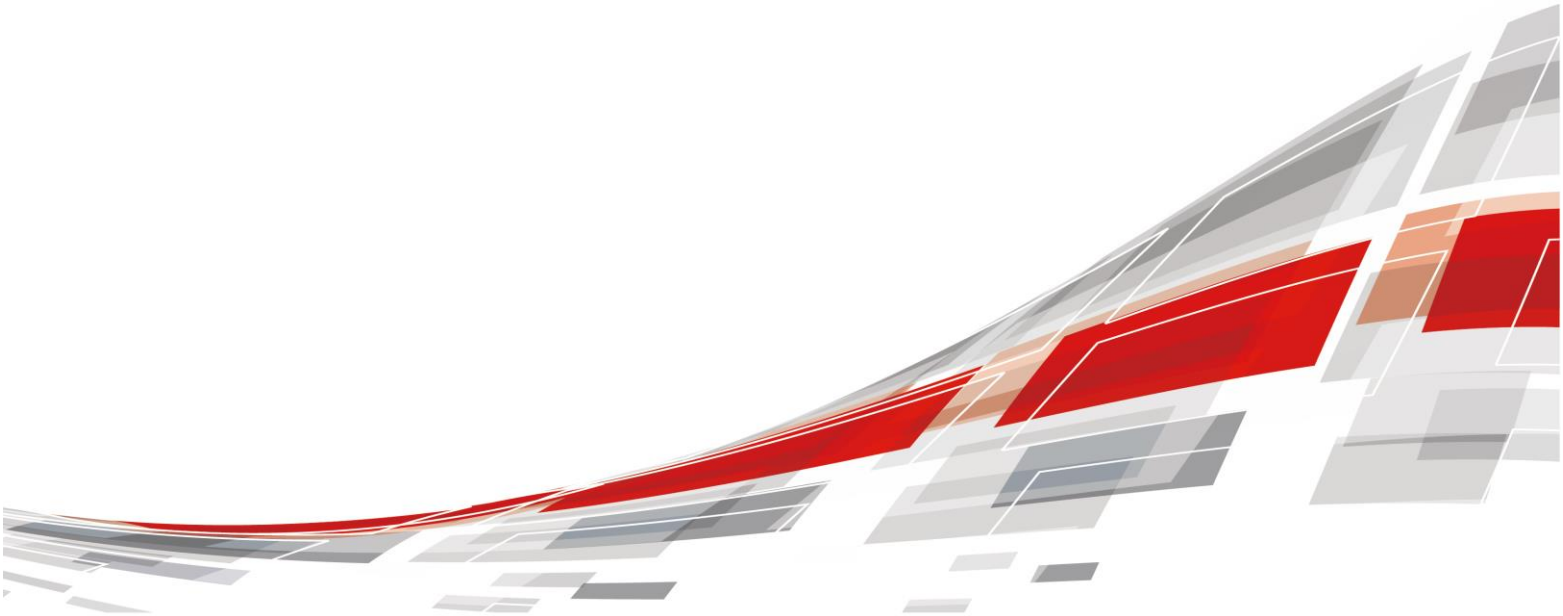

Contents

1 Product recyclability calculation and minimum 90% recyclability rate

Calculated using the method described in the technical report (based on the method described in IEC/TR 62635), the recyclability rate of covered products is above 90%. This value is based on data collected from a technological channel using industrial procedures.

Table 1-1 Product Recyclability Calculation

Ratio of Recyclability (%) Model No.	Selective treatment Parts	Plastic materials	Metal materials	Others	Total
1288H V6	8.19%	4.07%	73.10%	5.87%	91.23%
5288 V6	8.25%	1.57%	76.77%	5.28%	91.87%
1288H V7	8.19%	4.07%	73.10%	5.87%	91.23%
5288 V7	14.13%	4.04%	73.90%	0.58%	92.65%
5885H V6	11.19%	4.24%	73.37%	3.01%	91.81%
2488H V7	19.57%	4.27%	66.05%	0.64%	90.53%
2258 V7	6.70%	5.80%	69.35%	8.22%	90.07%
1258H V7	8.19%	4.07%	73.10%	5.87%	91.23%
2488H V6	16.55%	3.70%	68.93%	1.78%	90.96%
5885H V7	12.97%	5.58%	72.09%	1.04%	91.69%
2288H V6 (16 DIMM)	13.21%	5.40%	72.06%	1.09%	91.76%
2288H V6 (32 DIMM)	17.37%	5.01%	66.78%	1.01%	90.17%
2288H V7	7.57%	6.72%	77.06%	2.28%	93.63%
2288 V7	6.97%	6.69%	77.55%	1.52%	92.73%
2288H V8	20.26%	2.78%	66.86%	0.11%	90.01%

Ratio of Recyclability (%) Model No.	Selective treatment Parts	Plastic materials	Metal materials	Others	Total
2158H V8	14.31%	5.48%	67.74%	2.83%	90.36%
2258H V8	13.42%	5.96%	67.76%	2.98%	90.12%
2288 V8	21.53%	2.92%	65.53%	0.13%	90.11%
1288 V8	21.09%	3.07%	65.90%	0.17%	90.23%
5298 V7	5.93%	1.14%	85.07%	2.3%	94.44%

We use below formula to calculate the Recyclability rate (Rcyc) :

$$R_{cyc} = \frac{\text{Sum of recyclable masses of each parts}}{\text{Total product mass}} \times 100\,\% = \frac{\sum (m_{(i)} \times RCR_{(i)})}{m_{EEE}} \times 100\,\%$$

According to IEC/TR 62635, we reference an EoL treatment scenario for IT and telecommunications equipment, and apply data corresponding to the selected scenario and relevant product information. In this process, we also use representative data such as data from some research reports or famous independent 3rd evaluation organizations. The characteristics of our products are also taken into consideration.

In order to achieve the recyclability rate, we pay much attention on the design characteristics of the product such as the structure, material composition, size, weight, ability of part dismantling, etc. The design of the structure makes the product disassembled and dismantled more easily. The parts with single material are broadly used to promote recycling.

A lot of common recycling technologies are applied. For waste plastics, the main separation technology used is density separation, dissolution separation, filtration separation, electrostatic separation and flotation separation, etc. Copper metal has high utilization value, but the recycling price on the market is relatively expensive. Its recycling process often uses refining and acid dissolution methods.

As for steel alloy, it is relatively easy to identify and separate. It can usually be identified through magnet adsorption or shape identification. The recycling value is relatively high and the recycling process is relatively simple. Aluminum recycling technology is very mature and we mainly consider the losses during the splitting process and the losses during the smelting and regeneration process.

And complete metal accessories, such as screws, nuts, complete metal baffles, they are disassembled from waste electronic appliances, complete in appearance and function, and may be reused. According to the situation and the common processing method in the industry, the complete metal accessories can be disassembled and returned to the relevant production line for direct reuse. And for printed circuit boards(PCB),all metals in PCB will be recycled.

2 Information and reporting in preparation for reuse and recycling

Product disassembly instructions are provided to electronics recyclers.

To view or print the PDF files below, you need to have Adobe Acrobat Reader installed on your computer. Acrobat Reader is a free plug-in. You can download the documents from below link following the product which you want to know.

Table 2-1 The Link of Disassembly Instructions for Each Model

Product model	The Link of Maintenance and Disassembly Instructions
1288H V7	https://support.xfusion.com/support/#/en/docOnline/DOC2020011849
	https://support.xfusion.com/support/#/en/docOnline/DOC2020022769
2288H V7	https://support.xfusion.com/support/#/en/docOnline/DOC2020011856
	https://support.xfusion.com/support/#/en/docOnline/DOC2020022771
2288 V7	https://support.xfusion.com/support/#/en/docOnline/DOC2020012466
	https://support.xfusion.com/support/#/en/docOnline/DOC2020021764
5288 V7	https://support.xfusion.com/support/#/en/docOnline/DOC2020012467
	https://support.xfusion.com/support/#/en/docOnline/DOC2020022773
2488H V7	https://support.xfusion.com/support/#/en/docOnline/DOC2020013692
	https://support.xfusion.com/support/#/en/docOnline/DOC2020022772
5885H V7	https://support.xfusion.com/support/#/en/docOnline/DOC2020

Product model	The Link of Maintenance and Disassembly Instructions
	012799
	https://support.xfusion.com/support/#/en/docOnline/DOC2020022774
1258H V7	https://support.xfusion.com/support/#/en/docOnline/DOC2020012830
	https://support.xfusion.com/support/#/en/docOnline/DOC2020022777
2258 V7	https://support.xfusion.com/support/#/en/docOnline/DOC2020014377
	https://support.xfusion.com/support/#/en/docOnline/DOC2020022770
1288H V6	https://support.xfusion.com/support/#/en/docOnline/DOC2020000304
	https://support.xfusion.com/support/#/en/docOnline/DOC2020022520
2288H V6 (include 16DIMM and 32 DIMM)	https://support.xfusion.com/support/#/en/docOnline/DOC2020000311
	https://support.xfusion.com/support/#/en/docOnline/DOC2020021766
5288 V6	https://support.xfusion.com/support/#/en/docOnline/DOC2020000315
	https://support.xfusion.com/support/#/en/docOnline/DOC2020022157
2488H V6	https://support.xfusion.com/support/#/en/docOnline/EDOC1100173713
	https://support.xfusion.com/support/#/en/docOnline/DOC2020022521
5885H V6	https://support.xfusion.com/support/#/en/docOnline/DOC2020009301
	https://support.xfusion.com/support/#/en/docOnline/DOC2020022788
2158H V8	https://support.xfusion.com/support/#/en/docOnline/DOC2020029107
	https://support.xfusion.com/support/#/en/docOnline/DOC2020029096
2288H V8	https://support.xfusion.com/support/#/en/docOnline/DOC2020029100
	https://support.xfusion.com/support/#/en/docOnline/DOC2020029101

Product model	The Link of Maintenance and Disassembly Instructions
2258H V8	https://www.xfusion.com/support/#/en/docOnline/DOC2020031470?pid=252252898&relationId=DOC2020031473&path=en-us_topic_0000001156354265
	https://www.xfusion.com/support/#/en/docOnline/DOC2020034544?pid=252252898&path=en-us_topic_0000001157880897&mark=0
2288 V8	https://www.xfusion.com/support/#/en/docOnline/DOC2020035238?pid=252245638&relationId=DOC2020035241&path=en-us_topic_0000001157465331
	https://www.xfusion.com/support/#/en/docOnline/DOC2020036566?pid=252245638&path=en-us_topic_0000001158668885&mark=0
1288 V8	https://www.xfusion.com/support/#/en/docOnline/DOC2020039052?pid=252245726&relationId=DOC2020037927&path=en-us_topic_0000001158430015
	https://www.xfusion.com/support/#/en/docOnline/DOC2020039691?pid=252245726&path=en-us_topic_0000001160245153
5298 V7	https://www.xfusion.com/support/#/en/docOnline/DOC2020022817?pid=252193706&relationId=DOC2020020783&path=en-us_topic_0000001151666059
	https://www.xfusion.com/support/#/en/docOnline/DOC2020023916?pid=252193706&path=en-us_topic_0000001153665311&mark=0

3 Demonstration that the information complies with requirements of Article 15 of the EU WEEE Directive

Product End of Life Instructions for the Recyclers

Product Covered

1288H V6, 5288 V6, 1288H V7, 5288 V7, 5885H V6, 2488H V7, 2258 V7, 1258H V7, 2488H V6, 5885H V7, 2288H V6 (16 DIMM), 2288H V6 (32 DIMM), 2288H V7, 2288 V7,2158H V8, 2288H V8, 2258H V8,2288 V8,1288 V8,5298 V7.

Purpose

This document is to provide guidance to recyclers on the presence of materials and components at product lever, as required by the EU WEEE Directive. This document should also help direct recyclers to proper methods for removing parts and general product disassembly instructions.

Product Disassembly Instructions

Most parts can be removed easily by hand or with commonly available tools, such as Box cutter, M2 Philips screwdriver, Flat-head screwdriver and Die-casting pliers. Detailed methods for disassembly are described in the Product Disassembly Instructions published for each product on xFusion's website. The link to check these documents are found in Table 2-1.

Product Material Information

The following substances, preparations, or components should be disposed of or recovered separately from other WEEE according to the EU WEEE Direcitve.

Table 3-1 Product Material Information

Components	Dangerous substance covered	Dangerous substance presence
Mercury-containing components	Mercury	Products do not contain mercury-containing components.
Batteries	Mercury, Cadmium, Lead	Products use Lithium Ion Button Cells and contain

Components	Dangerous substance covered	Dangerous substance presence
		no mercury, cadmium and lead.
Printed Circuit Boards (PCB) or Printed Circuit Board Assemblies (PCBA)	Lead	Products fulfil with the EU RoHS requirement, but some exemption clauses for lead are still applied.
Plastics containing Brominated Flame Retardants	Brominated Flame Retardants	Products don't contain the plastics containing PBB, PBDE, HBCDD, but other brominated flame retardants may be presented.
Components and waste containing asbestos	asbestos	Products do not contain asbestos.
External electrical cables and cords	Lead	Products fulfil with the EU RoHS requirement, but some exemption clause for lead is still applied.

