

修訂變更履歷表 Revised History				
版本 Ver.	修訂理由及內容摘要 Revised description	修訂頁次 Page	修訂日期 Date	修訂人 Author
1.0	新制定 Initial	All	2016/01/28	Sharron Lin

1. EU RoHS 指令要求

EU RoHS Directive requirement

1.1. RoHS recase_2011/65/EU

Items	物質名稱 Substance name	Case No (CE No.)	限值 Restriction (ppm)
1	鎘及其化合物 Cadmium (Cd) and it's compounds	Several	100
2	鉛及其化合物 Lead (Pb) and it's compounds	Several	1000
3	汞及其化合物 Mercury (Hg) and it's compounds	Several	1000
4	六價鉻及其化合物 Hexavalent-Chromium (Cr ⁺⁶) and it's compounds	Several	1000
5	聚溴聯苯 Poly Brominated Biphenyls (PBBs)	Several	1000
6	聚溴聯苯醚 Poly Brominated Diphenyl Ethers(PBDEs)	Several	1000

1.2. EU 2015/863

Items	物質名稱 Substance name	Case No/CE No.	限值 Restriction (ppm)
1	鄰苯二甲酸二(2-乙基己基)酯 (DEHP) Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7 (204-211-0)	1000
2	鄰苯二甲酸丁酯苯甲酯 (BBP) Benzyl butyl phthalate (BBP)	85-68-7 (201-622-7)	1000
3	鄰苯二甲酸二丁酯 (DBP) Dibutyl phthalate (DBP)	84-74-2 (201-557-4)	1000
4	鄰苯二甲酸二異丁酯 (DIBP) Diisobutylphthalate (DIBP)	84-69-5 (115-96-8)	1000

2. REACH 限用物質

Restrictions for REACH Substances

供應商所交付至中磊電子之零件、半成品、組裝件或成品，均應符合 EU REACH 之要求。

Sercomm's suppliers shall comply with EU REACH requirements for registration and reporting. This applies to all products, assembly materials and component shipped to any Sercomm manufacturing site or location.

2.1. 供應商應依據 EU REACH 官網上所列之高關注物質 (SVHC) 列表，ECHA 官網連結：

http://echa.europa.eu/chem_data/authorisation_process/candidate_list_table_en.asp.

Supplier shall monitor the official EU REACH Substance of Very High Concern (SVHC) list at the ECHA website: http://echa.europa.eu/chem_data/authorisation_process/candidate_list_table_en.asp.

2.2. 供應商應揭露所交付之 Sercomm 之組件/零部件等所含有所有高關注物質 (SVHC) 之含量。
Supplier shall notify Sercomm when an assembly material or component delivered to Sercomm contains an SVHC.

3. 無鹵 Restrictions for Halogen-free (依客戶需求 Depend on customer's requirement)

3.1. Substance name:

項目 Items	物質名稱 Substance name	Case No/CE No.	限值 Restriction (ppm)
1	溴(Br) Halogen-Bromine (Br)	7726-95-6	900
2	氯(Cl) Halogen-Chlorine (Cl)	7782-50-5	900
3	溴(Br)與氯(Cl)的總和	Several	1500

4. 產品包裝材料禁用環境管制物質 (僅包裝材料適用)

The banned and restricted substances of package material of product. (for package material use only)

4.1. 有關產品包裝材料除要符合上述「1~3 產品中禁限用的環境管制物質」的要求之外，也必需符合下表的環境管制物質規定。

The package material of product meet 「item 1~3 banned and restricted substances of package material of product」, in addition, it also needs follow below list requirement:

Items	物質名稱 Substance name	Case No/CE No.	限值(ppm) Restriction(ppm)
1	鎘 (Cd) 及鎘化合物 Cadmium and its compounds	Several	總和 Total ≤ 100
2	鉛 (Pb) 及鉛化合物 Lead and its compounds	Several	
3	汞 (Hg) 及汞化合物 Mercury and its compounds	Several	
4	六價鉻 (Cr ⁺⁶) 及其化合物 Hexavalent chromium and its compounds	Several	
5	聚氯乙烯及其混合物 Poly Vinyl Chloride (PVC) and PVC blends	Several	N.D.
6	五氯酚 Pentachlorophenol	87-86-5	N.D.
7	甲醛 (木製品, 例如木棧板) Formaldehyde (for wooden pallet only)	25214-70-4 (500-036-1)	N.D.

5. 其它環境相關有害物質管控要求

Requirement and Standard of others Hazardous Substances of controlled Environment-related substance.

5.1. 管制物質列表 Substances of controlled list:

Items	物質名稱 Substance name	Case No/CE No.	限值(ppm) Restriction(ppm)
1	黃磷、紅磷 Yellow Phosphorus, Red Phosphorus	7723-14-0	N.D.