



USB Extension Products

Certificate of RoHS Compliance

Icron Technologies recognizes the need for responsible design and manufacturing processes that minimize the impact on our environment.

Icron is committed to providing RoHS compliant versions of USB Extension products to address our customer needs, and meet international requirements. Icron certifies that to its knowledge the products listed below are RoHS compliant and conform to the requirements of “Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.”

| Icron Part Number | Icron Name | Icron Description |
|--|---------------------------------|---|
| Wireless USB 2.0 Products | | |
| WiRanger - Cable Free Hub | | |
| 00-00228 | WiRanger Cable Free USB 2.0 Hub | 4 port wireless hub based on 802.11g radio, international (110-240V) power adapter, NA-cord |
| 00-00229 | WiRanger Cable Free USB 2.0 Hub | 4 port wireless hub based on 802.11g radio, international (110-240V) power adapter, Euro-cord |
| 00-00230 | WiRanger Cable Free USB 2.0 Hub | 4 port wireless hub based on 802.11g radio, international (110-240V) power adapter, UK-Cord |
| USB 2.0 Extension Products | | |
| USB 2.0 Ranger 2100 and 2200 Family - 100m CAT5 Extender | | |
| 00-00231 | USB 2.0 Ranger 2101 | 1-port extender for Cat5, international (100-240V) power adapter - NA plug |
| 00-00232 | USB 2.0 Ranger 2101 | 1-port extender for Cat5, international (100-240V) power adapter - Euro plug |
| 00-00233 | USB 2.0 Ranger 2101 | 1-port extender for Cat5, international (100-240V) power adapter - UK plug |
| 00-00234 | USB 2.0 Ranger 2104 | 4-port extender for Cat5, International (100-240V) power adapter - NA Plug |
| 00-00235 | USB 2.0 Ranger 2104 | 4-port extender for Cat5, International (100-240V) power adapter - Euro Plug |
| 00-00236 | USB 2.0 Ranger 2104 | 4-port extender for Cat5, International (100-240V) power adapter - UK Plug |
| 00-00252 | USB 2.0 Ranger 2212 | 2-port extender for Cat5, Remote Powered, International (100-240V) power adapter – NA Plug |
| 00-00253 | USB 2.0 Ranger 2212 | 2-port extender for Cat5, Remote Powered, International (100-240V) power adapter – UK |
| 00-00254 | USB 2.0 Ranger 2212 | 2-port extender for Cat5, Remote Powered, International (100-240V) power adapter – Euro |
| 00-00255 | USB 2.0 Ranger 2212 | 2-port extender for Cat5, Remote Powered, International (100-240V) power adapter – Aus |
| 00-00256 | USB 2.0 Ranger 2204 | 4-port extender for Cat5, International (100-240V) power adapter – NA |
| 00-00257 | USB 2.0 Ranger 2204 | 4-port extender for Cat5, International (100-240V) power adapter – UK |
| 00-00258 | USB 2.0 Ranger 2204 | 4-port extender for Cat5, International (100-240V) power adapter – Euro |
| 00-00259 | USB 2.0 Ranger 2204 | 4-port extender for Cat5, International (100-240V) power adapter – Aus |
| USB 2.0 Ranger Extender System -50m over Cat5 | | |
| 00-00185 | USB 2.0 Ranger 140 | 1-port extender for Cat5, NA (110V) power adapter |
| 00-00186 | USB 2.0 Ranger 140i | 1-port extender for UTP, international (110-240V) power adapter, NA-cord |
| 00-00187 | USB 2.0 Ranger 140i | 1-port extender for UTP, international (110-240V) power adapter, EUR-cord |
| 00-00188 | USB 2.0 Ranger 140i | 1-port extender for UTP, international (110-240V) power adapter, UK-cord |
| 00-00206 | USB 2.0 Ranger 140 | 1-port extender for UTP, NO POWER ADAPTER |
| 00-00208 | USB 2.0 Ranger 440 | 4-port extender for UTP, NA (110V) power adapter only |
| 00-00209 | USB 2.0 Ranger 440i | 4-port extender for UTP, international (110-240V) power adapter, NA-cord |
| 00-00210 | USB 2.0 Ranger 440i | 4-port extender for UTP, international (110-240V) power adapter, EUR-cord |
| 00-00211 | USB 2.0 Ranger 440i | 4-port extender for UTP, international (110-240V) power adapter, UK-cord |
| 00-00212 | USB 2.0 Ranger 440 | 4-port extender for UTP, NO POWER ADAPTER |
| USB 2.0 Ranger Extender System - Multimode or Singlemode FIBER OPTICS | | |
| 00-00213 | USB 2.0 Ranger 442 | 4-port extender for multimode Fiber, NA (110V) power adapter only |
| 00-00214 | USB 2.0 Ranger 442i | 4-port extender for multimode Fiber, international (110-240V) power adapter, NA-cord |
| 00-00215 | USB 2.0 Ranger 442i | 4-port extender for multimode Fiber, international (110-240V) power adapter, EUR-cord |
| 00-00216 | USB 2.0 Ranger 442i | 4-port extender for multimode Fiber, international (110-240V) power adapter, UK -cord |



| Icron Part Number | Icron Name | Icron Description |
|--|------------------------|--|
| 00-00217 | USB 2.0 Ranger 442 | 4-port extender for multimode Fiber, NO POWER ADAPTER |
| 00-00218 | USB 2.0 Ranger 444 | 4-port extender for singlemode Fiber, NA (110V) power adapter only |
| 00-00219 | USB 2.0 Ranger 444i | 4-port extender for singlemode Fiber, international (110-240V) power adapter, NA-cord |
| 00-00220 | USB 2.0 Ranger 444i | 4-port extender for singlemode Fiber, international (110-240V) power adapter, EUR-cord |
| 00-00221 | USB 2.0 Ranger 444i | 4-port extender for singlemode Fiber, international (110-240V) power adapter, UK-cord |
| 00-00222 | USB 2.0 Ranger 444 | 4-port extender for singlemode Fiber, NO POWER ADAPTER |
| 00-00260 | USB 2.0 Ranger 2224 | 4-port extender for multimode Fiber, International (100-240V) power adapter – NA plug |
| 00-00261 | USB 2.0 Ranger 2224 | 4-port extender for multimode Fiber, International (100-240V) power adapter – UK plug |
| 00-00262 | USB 2.0 Ranger 2224 | 4-port extender for multimode Fiber, International (100-240V) power adapter – Euro plug |
| 00-00263 | USB 2.0 Ranger 2224 | 4-port extender for multimode Fiber, International (100-240V) power adapter – Aus plug |
| 00-00264 | USB 2.0 Ranger 2244 | 4-port extender for singlemode Fiber, International (100-240V) power adapter – NA plug |
| 00-00265 | USB 2.0 Ranger 2244 | 4-port extender for singlemode Fiber, International (100-240V) power adapter – UK plug |
| 00-00266 | USB 2.0 Ranger 2244 | 4-port extender for singlemode Fiber, International (100-240V) power adapter – Euro plug |
| 00-00267 | USB 2.0 Ranger 2244 | 4-port extender for singlemode Fiber, International (100-240V) power adapter – Aus plug |
| USB 1.1 Extension Products | | |
| USB Rover Extender System - Cat5 | | |
| 00-00067 | USB Rover 1300 | Single Port 100 meter bus powered USB 1.1 (Full-Speed ONLY) extender system |
| 00-00084 | USB Rover 1650 | Single Port 50 meter bus powered USB extender system |
| 00-00085 | USB Rover 2650 | Two Port 50 meter bus powered USB extender system |
| USB Rover 200 Extender Active Cables -Fiber | | |
| 00-00166 | USB Rover 200-10 | Extender Cable 10 meters Fiber, N A power adapter |
| 00-00167 | USB Rover 200-10 | Extender Cable 10 meters Fiber, Euro power adapter |
| 00-00168 | USB Rover 200-10 | Extender Cable 10 meters Fiber, UK power adapter |
| 00-00169 | USB Rover 200-20 | Extender Cable 20 meters Fiber, NA power adapter |
| 00-00170 | USB Rover 200-20 | Extender Cable 20 meters Fiber, Euro power adapter |
| 00-00171 | USB Rover 200-20 | Extender Cable 20 meters Fiber, UK power adapter |
| 00-00172 | USB Rover 200-30 | Extender Cable 30 meters Fiber, NA power adapter |
| 00-00173 | USB Rover 200-30 | Extender Cable 30 meters Fiber, Euro power adapter |
| 00-00174 | USB Rover 200-30 | Extender Cable 30 meters Fiber, UK power adapter |
| 00-00175 | USB Rover 200-40 | Extender Cable 40 meters Fiber, NA power adapter |
| 00-00176 | USB Rover 200-40 | Extender Cable 40 meters Fiber, Euro power adapter |
| 00-00177 | USB Rover 200-40 | Extender Cable 40 meters Fiber, UK power adapter |
| USB Ranger Extender System- Up to 100 meters over Cat5 cable | | |
| 00-00005 | USB Ranger 110 | 1-port USB Ranger with North American (110V) power adapter |
| 00-00022 | USB Ranger 110i | 1-port USB Ranger with International (110-240V) power adapter - NA-cord |
| 00-00027 | USB Ranger 110i | 1-port USB Ranger with International (110-240V) power adapter - EUR-cord |
| 00-00028 | USB Ranger 110i | 1-port USB Ranger with International (110-240V) power adapter - UK-cord |
| 00-00023 | USB Ranger 110 | 1-port USB Ranger - NO POWER ADAPTER |
| 00-00006 | USB Ranger 410 | 4-port USB Ranger with North American (110V) power adapter |
| 00-00017 | USB Ranger 410i | 4-port USB Ranger with International (110-240V) power adapter - NA-cord |
| 00-00029 | USB Ranger 410i | 4-port USB Ranger with International (110-240V) power adapter - EUR-cord |
| 00-00030 | USB Ranger 410i | 4-port USB Ranger with International (110-240V) power adapter - UK-cord |
| 00-00018 | USB Ranger 410 | 4-port USB Ranger, NO POWER ADAPTER |
| USB Ranger Extender System- Up to 100 meters over Cat5 cable (8 kV Version) | | |
| 00-00189 | USB Ranger 110 - 8 kV | 1-port USB Ranger with North American (110V) power adapter (8kV ESD Protection) |
| 00-00190 | USB Ranger 110i - 8 kV | 1-port USB Ranger with International (110-240V) power adapter - NA-cord (8kV version) |
| 00-00191 | USB Ranger 110i - 8 kV | 1-port USB Ranger with International (110-240V) power adapter - EUR-cord (8kV version) |
| 00-00192 | USB Ranger 110i - 8 kV | 1-port USB Ranger with International (110-240V) power adapter - UK-cord (8kV version) |
| 00-00223 | USB Ranger 410 - 8 kV | 4-port USB Ranger with North American (110V) power adapter (8kV ESD Protection) |
| 00-00224 | USB Ranger 410i - 8 kV | 4-port USB Ranger with International (110-240V) power adapter - NA-cord (8kV version) |
| 00-00225 | USB Ranger 410i - 8 kV | 4-port USB Ranger with International (110-240V) power adapter - EUR-cord (8kV version) |
| 00-00226 | USB Ranger 410i - 8 kV | 4-port USB Ranger with International (110-240V) power adapter - UK-cord (8kV version) |
| USB Ranger Extender System- Up to 500 meters over Multimode Fiber | | |
| 00-00050 | USB Ranger 422 | 4-port USB extender with North American (110V) power adapter. Extends USB up to 1500m |
| 00-00037 | USB Ranger 422i | 4-port USB extender with International (110-240V) power adapter - NA-cord |
| 00-00038 | USB Ranger 422i | 4-port USB extender with International (110-240V) power adapter - EUR-cord |
| 00-00039 | USB Ranger 422i | 4-port USB extender with International (110-240V) power adapter - UK-cord |



| Icron Part Number | Icron Name | Icron Description |
|---|---|--|
| USB 1.1 Isolation Products | | |
| 00-00194 | Icron USB Rover 200-1 | Isolation Cable 1 meters Fiber, N Am power adapter |
| USB 1.1 and 2.0 MODULES / CORES and ACCESSORIES | | |
| USB Ranger Extender Modules (includes metal housing): | | |
| 10-00007 | LEX 110 Ranger | Local Extender Module-Cat5 |
| 10-00008 | REX 110 Ranger | Remote Extender Module- Cat5, 1-port |
| 10-00009 | REX 410 Ranger | Remote Extender Module- Cat5, 4-port |
| 10-00027 | LEX 122 Ranger | Local Extender Module- multimode Fiber |
| 10-00028 | REX 422 Ranger | Remote Extender Module - multimode Fiber, 4-port |
| USB 2.0 | | |
| 10-00082 | LEX 140 Ranger 2.0 | Local Extender 2.0 Module - Cat5 |
| 10-00083 | REX 140 Ranger 2.0 | Remote Extender 2.0 Module - Cat5, 1-port |
| 10-00085 | REX 440 Ranger 2.0 | Remote Extender 2.0 Module - Cat5, 4-port |
| 10-00094 | LEX 142 Ranger MM | USB 2.0 Local Extender Module - multimode Fiber |
| 10-00095 | REX 442 Ranger MM | USB 2.0 Remote Extender Module - multimode Fiber, 4-port |
| 10-00096 | LEX 144 Ranger SM | USB 2.0 Local Extender Module - singlemode Fiber |
| 10-00097 | REX 444 Ranger SM | USB 2.0 Remote Extender Module - singlemode Fiber, 4-port |
| Turnkey ExtremeUSB Extender Modules (PCA without metal housing): | | |
| 10-00014 | LEX 110 Turnkey | Local Extender Module (PCA without housing) - UTP |
| 10-00015 | REX 110 Turnkey | Remote Extender Module (PCA without housing) - UTP |
| 10-00016 | REX 410 Turnkey | Remote Extender Module (PCA without housing) - UTP |
| 10-00037 | LEX 122 Turnkey MM | Local Extender Module (PCA without housing) - multimode Fiber |
| 10-00038 | REX 422 Turnkey MM | Remote Extender Module (PCA without housing) - multimode Fiber, 4-port |
| 10-00074 | LEX 424 Turnkey SM | Local Extender Module (PCA without housing) - singlemode Fiber |
| 10-00075 | REX 424 Turnkey SM | Remote Extender Module (PCA without housing) -singlemode Fiber, 4-port |
| USB 2.0 | | |
| 10-00086 | USB 2.0 LEX 140 Turnkey | USB 2.0 Local Extender Module 1 port - UTP |
| 10-00087 | USB 2.0 REX 140 Turnkey | USB 2.0 Remote Extender Module 1 port -UTP |
| 10-00089 | USB 2.0 REX 440 Turnkey | USB 2.0 Remote Extender Module 4 port - UTP |
| 10-00098 | USB 2.0 LEX 142 Turnkey MM | USB 2.0 Local Extender Module (PCA without housing) - SFP/multimode Fiber |
| 10-00099 | USB 2.0 REX 442 Turnkey MM | USB 2.0 Remote Extender Module (PCA without housing) - SFP/multimode Fiber, 4-port |
| 10-00100 | USB 2.0 LEX 144 Turnkey SM | USB 2.0 Local Extender Module (PCA without housing) - SFP/singlemode Fiber |
| 10-00101 | USB 2.0 REX 444 Turnkey SM | USB 2.0 Remote Extender Module (PCA without housing) - SFP/singlemode Fiber, 4-port |
| 10-00161 | USB 2.0 LEX 2212 Turnkey | USB 2.0 Local Extender Module 2 port (PCA without housing) -UTP |
| 10-00162 | USB 2.0 REX 2212 Turnkey | USB 2.0 Local Extender Module 2 port (PCA without housing) -UTP |
| 10-00163 | USB 2.0 LEX 2204 Turnkey | USB 2.0 Local Extender Module 4 port (PCA without housing) -UTP |
| 10-00164 | USB 2.0 REX 2204 Turnkey | USB 2.0 Local Extender Module 4 port (PCA without housing) -UTP |
| 10-00165 | USB 2.0 LEX 2224 Turnkey | USB 2.0 Local Extender Module 4 port (PCA without housing) – SFP/multimode Fiber |
| 10-00166 | USB 2.0 REX 2224 Turnkey | USB 2.0 Local Extender Module 4 port (PCA without housing) – SFP/multimode Fiber |
| Power Adapters: | | |
| 21-00006 | NA Power Adapter - For 110, 410, 422, 424 | NA Power Adapter (100-120,15V), for all USB 1.1 systems (110, 410, 422, 424) |
| 21-00011 | Intl Power Adapter | 100/240 15V International power adapter for all USB 1.1 systems (110i, 410i, 422i, 424i) |
| 21-00013 | NA Power Cord | NA power cord for International adapter |
| 21-00012 | Euro Power Cord | Euro power cord for International adapter |
| 21-00014 | UK Power Cord | U.K. power cord for International adapter |
| USB 2.0 | | |
| 21-00032 | USB 2.0 Intl Power Adapter - For 140, 440, 442, 444, 2104 | 100/240 5V International power adapter (140, 440, 442, 444, 2104) |
| 21-00040 | WiRanger/2104 Intl Power | 100/240 5V 3.0A, 1.65MM International power adapter - NA Plug |



| Icron Part Number | Icron Name | Icron Description |
|--|---|---|
| | Adapter - NA | |
| 21-00041 | WiRanger/2104 Intl Power Adapter - Euro | 100/240 5V 3.0A, 1.65MM International power adapter for WiRanger - EURO Plug |
| 21-00042 | WiRanger/2104 Intl Power Adapter - UK | 100/240 5V 3.0A, 1.65MM International power adapter for WiRanger - UK Plug |
| 21-00043 | WiRanger/2104 Intl Power Adapter - Aus | 100/240 5V 3.0A, 1.65MM International power adapter for WiRanger - Aus Plug |
| | | |
| 21-00046 | 2101 USB 2.0 Intl Power Adapter - NA | 100/240 5V 1.5A International power adapter for 2101 - NA Plug |
| 21-00047 | 2101 USB 2.0 Intl Power Adapter - Euro | 100/240 5V 1.5A International power adapter for 2101 - EURO Plug |
| 21-00048 | 2101 USB 2.0 Intl Power Adapter - UK | 100/240 5V 1.5A International power adapter for 2101 - UK Plug |
| | | |
| 21-00053 | 2204/2224/2244 USB 2.0 Intl Power Adaptor | AC Desktop Adapter, 5V 3A, 1.7mm (ID) plug, IEC320-C7/C8 2-pin for 2204/2224 |
| 21-00054 | 2212 USB 2.0 Intl Power Adaptor | 100-240V AC Desktop Adapter, 24V 1A, 2.1mm (ID) plug, IEC320-C7/C8 2-pin for 2212 |
| | | |
| 21-00055 | 2200 Family Power Cord - NA | Power Cord IEC320-C7/C8 2-pin NA for 2204/2212/2224/2244 |
| 21-00056 | 2200 Family Power Cord - UK | Power Cord IEC320-C7/C8 2-pin UK for 2204/2212/2224/2244 |
| 21-00057 | 2200 Family Power Cord - Euro | Power Cord IEC320-C7/C8 2-pin Euro for 2204/2212/2224/2244 |
| 21-00058 | 2200 Family Power Cord - Aus | Power Cord IEC320-C7/C8 2-pin Aus for 2204/2212/2224/2244 |
| | | |
| ExtremeUSB Core Technology (PCA daughter card): | | |
| 10-00025 | LEX Core DL | Local Extender Daughter Board module - w/ digital link interface |
| 10-00026 | REX Core DL | Remote Extender Daughter Board module - w/ digital link interface |
| 10-00017 | LEX Core TP | Local Extender Daughter Board module - w/ 2 Pair TP link interface |
| 10-00018 | REX Core TP | Remote Extender Daughter Board module - w/ 2 Pair TP link interface |
| | | |
| 10-00090 | 2.0 LEX Core DL | Local Extender module - w/ digital link interface |
| 10-00091 | 2.0 REX Core DL | Remote Extender module - w/ digital link interface |
| | | |
| 10-00123 | ExtremeUSB® 2.0 Core 2100 LEX | Local Extender (LEX) Core PCB with parallel interface |
| 10-00124 | ExtremeUSB® 2.0 Core 2100 REX | Remote Extender (REX) Core PCB with parallel interface |
| | | |
| Developer Kits for ExtremeUSB: | | |
| 00-00034 | Developer Kit 420/NA | ExtremeUSB Core/DL Developer Kit for 2-pair UTP transmission media. Includes two power adapters with North American cords. |
| 00-00035 | Developer Kit 420/EUR | ExtremeUSB Core/DL Developer Kit for 2-pair UTP transmission media. Includes two power adapters with European cords. |
| 00-00036 | Developer Kit 420/UK | ExtremeUSB Core/DL Developer Kit for 2-pair UTP transmission media. Includes two power adapters with UK cords. |
| 00-00040 | Developer Kit 421/NA | ExtremeUSB Core/DL Developer Kit for 1-pair UTP transmission media. Includes two power adapters with North American cords. |
| 00-00041 | Developer Kit 421/EUR | ExtremeUSB Core/DL Developer Kit for 1-pair UTP transmission media. Includes two power adapters with European cords. |
| 00-00042 | Developer Kit 421/UK | ExtremeUSB Core/DL Developer Kit for 1-pair UTP transmission media. Includes two power adapters with UK cords. |
| 00-00043 | Developer Kit 422/NA | ExtremeUSB Core/DL Developer Kit for 2-strand fiber-optic transmission media. Includes two power adapters with North Am. cords. |
| 00-00044 | Developer Kit 422/EUR | ExtremeUSB Core/DL Developer Kit for 2-strand fiber-optic transmission media. Includes two power adapters with European cords. |
| 00-00045 | Developer Kit 422/UK | ExtremeUSB Core/DL Developer Kit for 2-strand fiber-optic transmission media. Includes two power adapters with UK cords. |
| | | |
| USB 2.0 | | |
| 00-00198 | Developer Kit Core 2.0 DL | ExtremeUSB Core/DL Developer Kit for UTP or fiber transmission media. Includes two power adapters with NA cords. |
| 00-00199 | Developer Kit Core 2.0 DL | ExtremeUSB Core/DL Developer Kit for UTP or fiber transmission media. Includes two power adapters with EURO cords. |
| 00-00200 | Developer Kit Core 2.0 DL | ExtremeUSB Core/DL Developer Kit for UTP or fiber transmission media. Includes two power adapters with UK cords. |
| | | |
| 00-00237 | ExtremeUSB® 2.0 Core 2100 Dev Kit | Cat-5 USB 2.0 Extender Core Developer Kit, NA Power Adapter |
| 00-00238 | ExtremeUSB® 2.0 Core 2100 Dev Kit | Cat-5 USB 2.0 Extender Core Developer Kit, EUR Power Adapter |



| Icron Part Number | Icron Name | Icron Description |
|-------------------|-----------------------------------|---|
| 00-00239 | ExtremeUSB® 2.0 Core 2100 Dev Kit | Cat-5 USB 2.0 Extender Core Developer Kit, UK Power Adapter |

Icron affirms products designated as RoHS compliant will have less than the stated maximum concentration for the six restricted substances listed in the table below.

| Banned Substance | Maximum Allowed Concentration (ppm) |
|---|-------------------------------------|
| Cadmium (Cd) | 100 |
| Lead (Pb) | 1000 |
| Mercury (Hg) | 1000 |
| Hexavalent Chromium (Cr ⁶⁺) | 1000 |
| Poly Brominate Byphenyls (PBB) | 1000 |
| Poly Brominated Diphenyl Ethers (PBDE) | 1000 |
| Decabromodiphenyl Ether (DecaBDE) | 1000 |

This declaration is based on Icron Technologies' current understanding of the RoHS directive and information provided through supplier material declarations regarding the composition of components and materials comprising Icron product.

Disclaimer

None of the information in this document constitutes an express or implied warranty by Icron Technologies. Icron bases its knowledge and belief of RoHS compliance on information provided by third parties and makes no representation as to the accuracy of such information beyond that implied or expressed in legal and technical opinions or interpretation of EU legislation and supplier material declarations.

Notes

RoHS 6 or RoHS 6/6 compliance is complying with the restriction of all 6 RoHS listed substances, without taking any exemptions.

RoHS 5 or RoHS 5/6 compliance refers to RoHS compliance and taking Pb exemptions. In other words, RoHS 5 compliant parts contain Pb > 1000 ppm, but meet the concentration limits for Hg, Cr+6, Cd, PBB and PBDE.

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