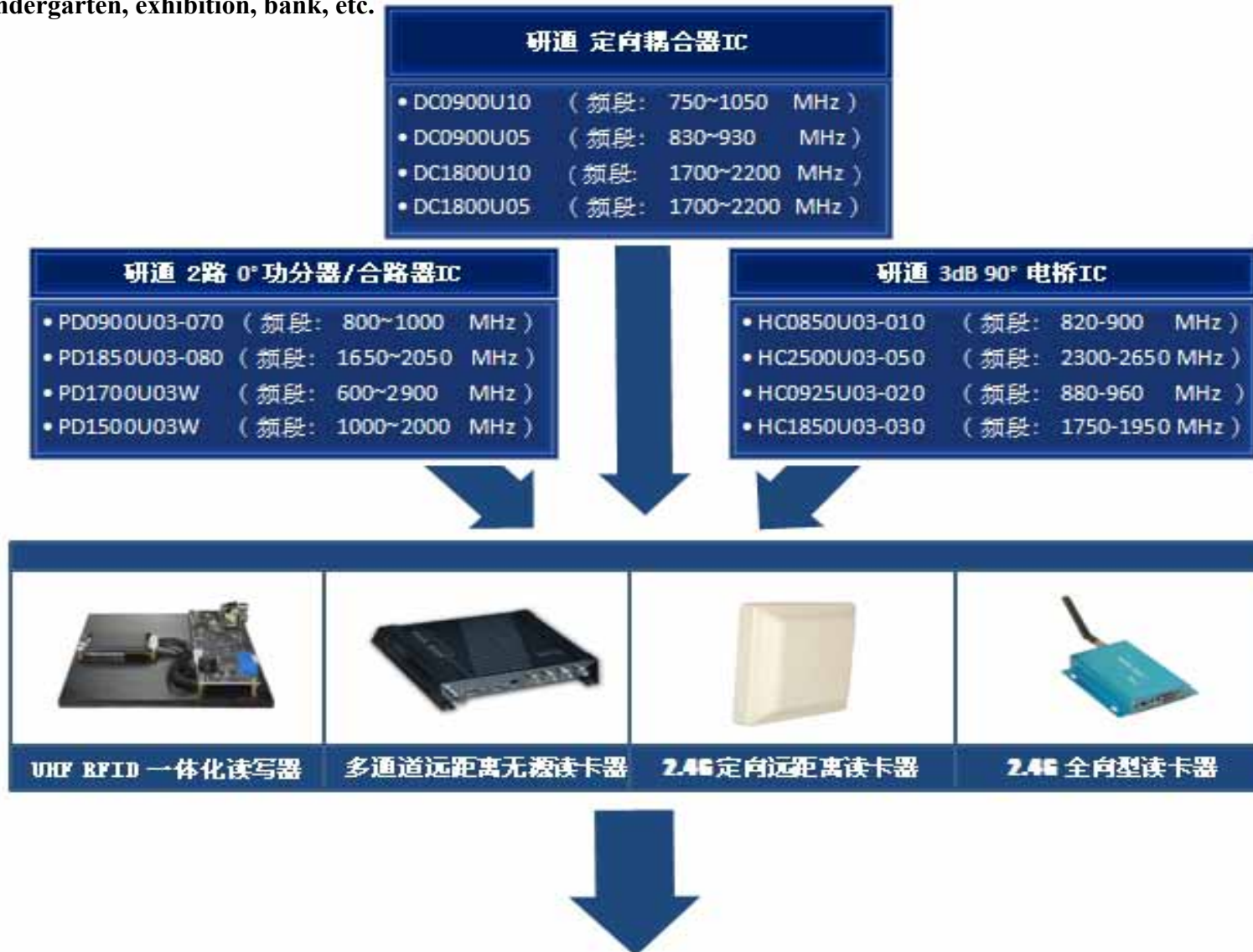
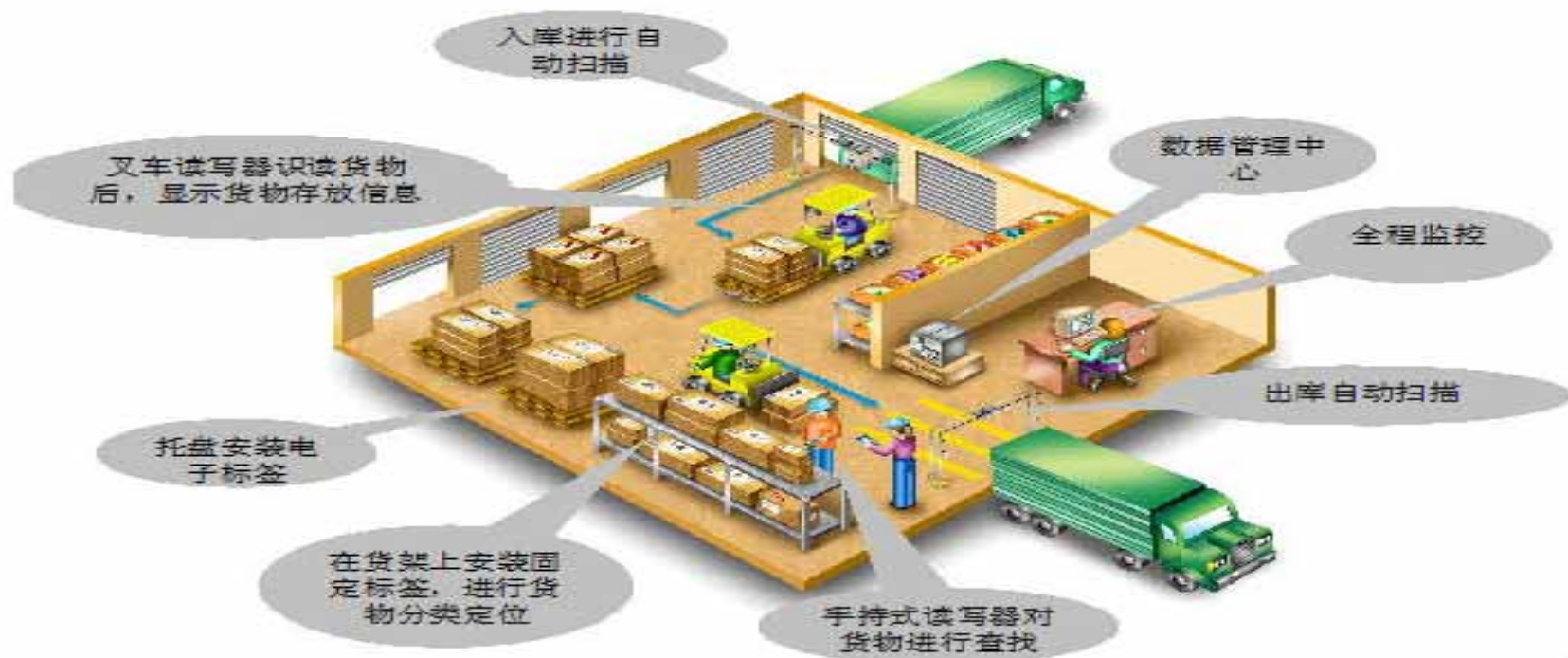
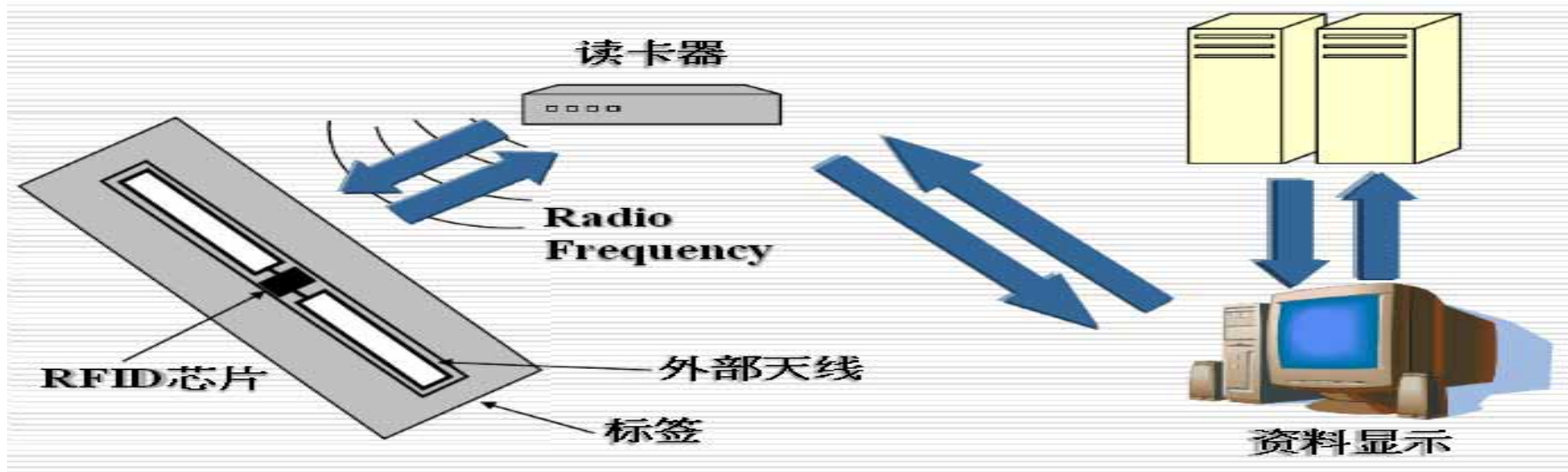


## 1. Yantel IC Directional, 3dB 90 Hybrid Coupler, 2-way Power divider/ Splitter are widely applied to RFID

- RFID Product: 2.4G RFID Reader (passive & active),
- Application field: identification and positioning of stuff and personnel for logistics and supply chain, warehousing, supermarket, hospital, kindergarten, exhibition, bank, etc.





## 2. Yantel Product Advantage

### Cost Advantages:

- **The cost is lower 40% than other manufacturers'.**

### Performance Advantage:

- **Low Loss & Low VSWR; Excellent amplitude & phase balance; High Isolation; Excellent repeatability**
- **No need external 100Ω Resistor ( for 2-way 0° Power Divider/Combiner IC )**

## 3. IC Directional Coupler



Part No.	Freq.Range (MHz)	Power (W)	Size LXW (mm)	Coupling (dB)	Insertion loss(dB)	VSWR (:1)	Directivity (dB)
<a href="#">DC0410U20-060</a>	350-410	5	2X2	18.3-19.5	0.11	1.06	20.2
	410-470	5	2X2	17-18.3	0.11	1.06	19.7
<a href="#">DC0850U20-122</a>	730-800	5	2X2	20.7-21.5	0.10	1.06	28.1
	800-870	5	2X2	20.0-20.7	0.10	1.06	28.9
	870-970	5	2X2	19.1-20.0	0.10	1.06	29.5
<a href="#">DC0900U05</a>	830-880	5	2X2	4.7-4.8	0.25	1.03	25.2
	880-930	5	2X2	4.5-4.6	0.25	1.03	24.8
<a href="#">DC0900U10-053</a>	750-850	5	2X2	10-10.9	0.17	1.05	18.7
	850-950	5	2X2	9.2-10	0.16	1.05	19
	950-1050	5	2X2	8.4-9.2	0.18	1.05	19.3

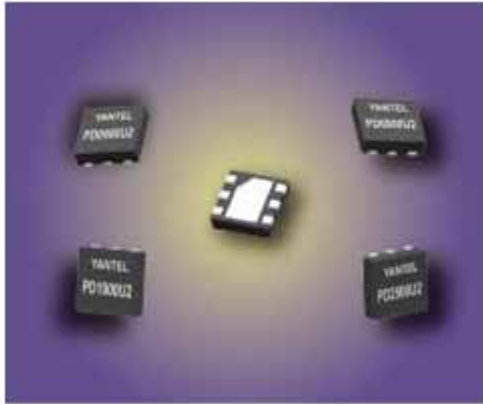
<a href="#">DC1800U05-050</a>	1700-1850	5	2X2	4.6-5.1	0.22	1.12	18.5
	1850-2050	5	2X2	4.2-4.6	0.18-0.21	1.14	19.4
	2050-2200	5	2X2	3.8-4.2	0.18	1.15	20.1
<a href="#">DC1800U10-123</a>	1700-1850	4	2X2	10.7	0.25	1.04	32
	1850-2050	4	2X2	10-10.4	0.26	1.04	34
	2050-2200	4	2X2	9.5	0.29	1.03	36
<a href="#">DC4000U10-120</a>	1700-2700	4	2X2	12.5~14.5	0.55	1.28	19
	2700-4000	4	2X2	11	0.85	1.25	25

#### 4. IC 3dB 90 Hybrid Coupler



Part No.	Freq.Range (MHz)	Power (W)	package Size LXW (mm)	Package type	Insertion loss(dB)	Amplitude Balance(dB)	Phase Balance	Isolation (dB)	Return Loss(dB)
<a href="#">HC0850U03-010</a>	820-900	4	2X2	A	0.35	±0.5	±1.5	30	25
<a href="#">HC0925U03-020</a>	880-960	4	2X2	A	0.35	±0.5	±1.5	25	30
<a href="#">HC1150U03-190</a>	1120-1260	4	2X2	A	0.35	±0.5	±1.5	30	30
<a href="#">HC1650U03-200</a>	1550-1750	4	2X2	A	0.35	±0.5	±1.5	35	30
<a href="#">HC1850U03-030</a>	1750-1950	4	2X2	A	0.35	±0.5	±1.0	30	30
<a href="#">HC2150U03-040</a>	2050-2250	4	2X2	A	0.35	±0.5	±1.0	30	30
<a href="#">HC2500U03-050</a>	2300-2650	4	2X2	A	0.35	±0.5	±1.0	30	30
<a href="#">HC2500U03-055</a>	2300-2650	4	2X2	B	0.35	±0.5	±1.0	30	25
<a href="#">HC3550U03-060</a>	3300-3800	4	2X2	A	0.35	±1	±2.0	20	20

## 5. IC 2-way Power Divider/ Splitter



Part No.	Freq.Range (MHz)	Power (W) as a divider	Power (W) as a combiner	Package Size LXW (mm)	Insertion loss (dB)	Amplitude Balance (dB)	Phase Balance (deg)	Isolation (dB)	Input VSWR (:1)	Output VSWR (:1)
<a href="#">PD0500U03-210</a>	280~610	2	1	2X2	0.60	0.1	0.5	12-20	1.40	1.20
<a href="#">PD0900U03-070</a>	800~1000	2	1	2X2	0.40	0.1	0.5	20	1.20	1.12
<a href="#">PD1500U03-140</a>	1350~1650	2	1	2X2	0.35	0.1	0.5	20	1.20	1.20
<a href="#">PD1500U03W</a>	1000~2000	2	1	2X2	0.70	0.1	0.5	10	1.50	1.45
<a href="#">PD1700U03W</a>	600~2900	2	1	3X3	0.70	0.1	0.5	11-27	1.2-1.6	1.1-1.6
<a href="#">PD1850U03-080</a>	1650~2050	2	1	2X2	0.40	0.1	0.5	20	1.20	1.17
<a href="#">PD2150U03-090</a>	1900~2350	2	1	2X2	0.40	0.1	0.5	20	1.20	1.17
<a href="#">PD2450U03-100</a>	2200~2650	2	1	2X2	0.40	0.1	0.5	20	1.20	1.18
<a href="#">PD3550U03-110</a>	3300~3800	2	1	2X2	0.40	0.1	0.5	20	1.20	1.20

If necessary, we'd like to offer free samples for evaluation.