

## , HSDPA/HSUPA 가

- 3G/HSDPA
- UMA VoWiFi

2006 2 XX - (picoChip) 가 WiFi  
 UMA(Unlicensed Mobile Access) 가 3G/HSDPA ( ,  
 High Speed Downlink Packet Access) . 3G  
 (femtocell)' PC8208 HSDPA  
 , HSUPA( , High Speed Uplink  
 Packet Access) 가 . OEM  
 BOM(Bill of Materials)  
 UMA VoWiFi(voice-over-WiFi)  
 , 가

picoChip Node B 200m 4 가  
 3GPP Rel5 2005-06(FDD) , 7Mb HSDPA  
 . HSUPA 2007  
 ( , ), MAC-hs  
 , (OAM) . WiMAX  
 picoChip

가 WiFi, VoIP  
 가 ,  
 . 가  
 , DSL  
 . , 3G  
 가  
 가 VoIP, UMA  
 VoWiFi 가 가  
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(Doug Pulley) CTO “

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, OEM 가

PC8208 3G picoChip 가  
PC8218 PC8228

<b>PC8208 femtocell</b>	200m 10km/h 4 가 /	7.21Mbps(4 ) 4 (Release4) 12.2kbps ( ) 4	HSUPA 4 (Release4) 12.2kbps ( ) 4
<b>PC8218 picocell</b>	300m 10km/h 32 / ( : , , )	13.98Mbps(32 ) 32 (Release4) 12.2kbps ( ) 32	HSUPA 32 (Release4) 12.2kbps ( ) 32
<b>PC8228 microcell</b>	1000m 120km/h 32 ,	13.98Mbps(32 ) 32 (Release4) 12.2kbps ( ) 32	HSUPA 32 (Release4) 12.2kbps ( ) 32



: picoArray picoChip .

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**picoChip**

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ASIC

DSP

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IC

‘SDR(Software Defined Radio)’

가

UMTS(HSDPA )

WiMAX(802.16e

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802.16d)

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